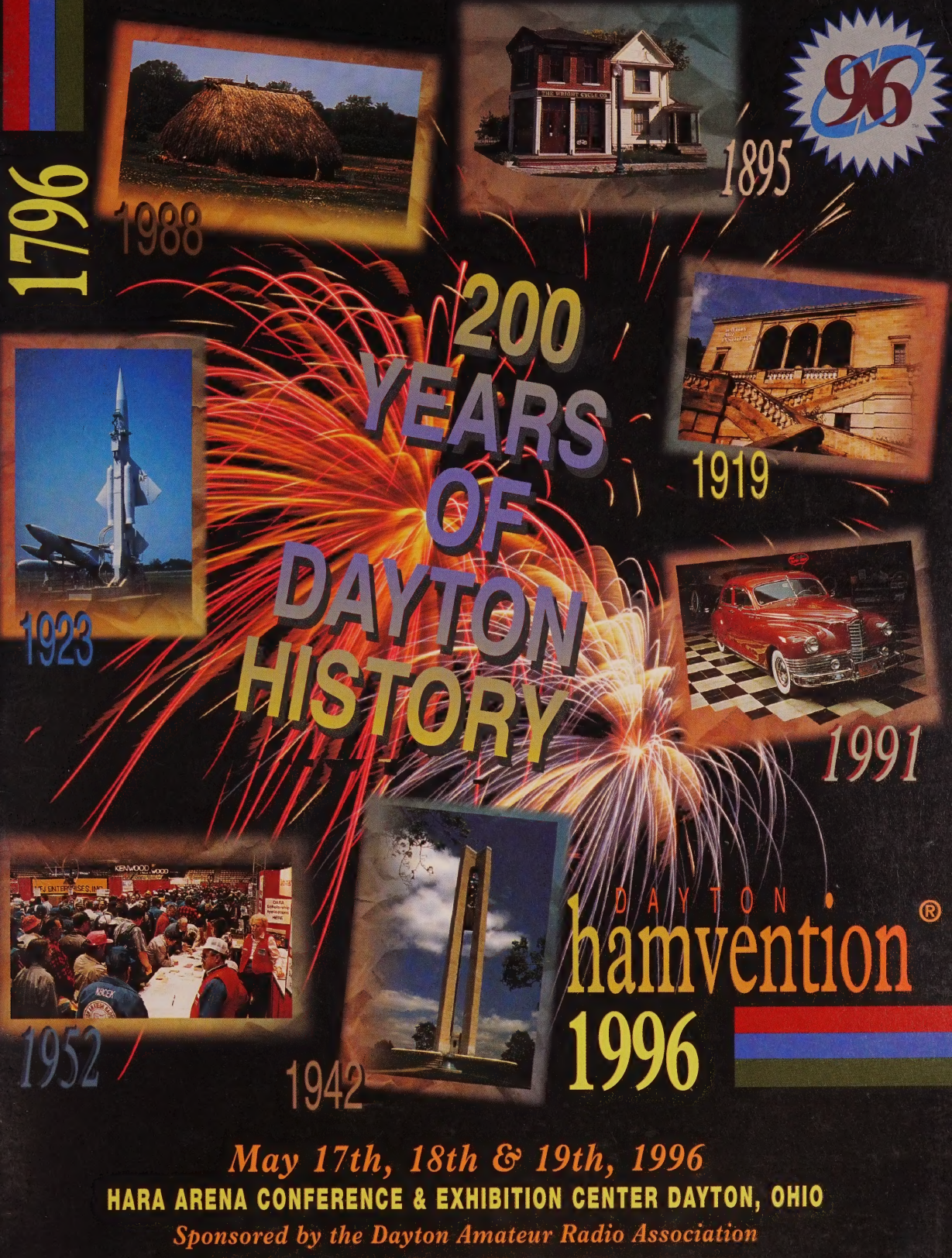


May 17th, 18th & 19th, 1996

HARA ARENA CONFERENCE & EXHIBITION CENTER DAYTON, OHIO

Sponsored by the Dayton Amateur Radio Association

IC-T22A 2M
IC-T42A 440 MHz

Shirt pocket small and BIG crisp audio

- 5 watts of power (@ 13.5V DC)
- 40 memory channels with auto "log-in" feature • CTCSS encode
- Direct 12V operation (4.5-16V)
- Affordably priced

NEW!

IC-T7A 2M/440 MHz

Dual bander with single bander size & price!

- Works one band at a time
- Easy to use—no function key
- "Intuitive" help function
- 70 memories
- Encode/decode
- 4W VHF/3W UHF (@13.5 V DC)

IC-W31A 2M/440 MHz

Ultra-slim & powerful dual bander

- Alphanumeric memory display, message and paging
- Independent tuning knobs, simultaneous Rx
- Encode/decode
- Backlit display and keypad
- 5W VHF/UHF (@ 13.5V DC)

IC-736/IC-738

Expand your HF horizons

- IC-736 – HF, 6 meters, built-in power supply
- IC-738 – HF, DC power supply required
- High speed automatic tuner built-in (works on 6M)
- DDS (direct digital synthesis) • Quick-split operation
- 100W CW, FM, SSB/40W AM • 100% full duty cycle

IC-775DSP

With IF-DSP, pull out signals no one else can

- MOS FET PA with 200 watts • ICOM DSP technology
- Built-in power supply & antenna tuner
- Dual receivers with independent dials and locks
- DDS (direct digital synthesis)
- Advanced interference rejection features, twin PBT, IF notch, the works!

NEW!

IC-821H*

Superior satellite & digital communications

- Continuous adjustable power Tx • Sub band Tx
- 9600 full compatibility out of the box
- Compact size • Built-in electronic keyer
- Noise blanker & IF shift on main & sub bands (independent main/sub Rx) • 160 memories

World's Smallest!

IC-706

HF, 6M & 2M all-mode transceiver

- 100W on HF & 6 meters, 10W on 2 meters
- General coverage Rx • User friendly design
- Removable, remoteable front panel controls all features
- Large LCD display featuring alphanumeric memory names & soft key descriptions

ICOM '96
THE NEXT GENERATION

Dual bander with an easy, full control mic for on the GO!

- New HM-98 full control backlit mic
- Detachable head • 50 CTCSS channels
- High speed scanning
- 220 memory channels
- Encoder included
- Wide band Rx (118-174, 400-470 MHz)

IC-2000H ▲

Superior wide band reception

- 2M FM mobile • 50W
- Large alphanumeric display
- 50 memory channels
- Alphanumeric ID
- Rugged aluminum frame
- Rx (118-174 MHz)

NEW!

IC-2710H ▼

IC-2350H ▲

Dual bander with fast scan

- Detachable head
- Wide band Rx (118-174 MHz)
- Independent tuning knobs
- 100 memory channels
- Remote control mic (opt. UT-101)
- Encoder included

NEW!

IC-R8500*

Next Generation world receiver

- Advanced audio with IF-shift & APF (audio peak filter)
- 100 kHz-1,999.99 MHz Rx
- All modes
- Built-in ICOM CI-V computer control interface and RS-232C port

Call ICOM's brochure hotline: (206) 450-6088, visit ICOM on the WWW @ http://www.icomamerica.com/icom, or contact ICOM Technical Support in the HamNet forum on CompuServe® @75540,525 (Internet: 75540.525 @ compuserve.com.) © 1996 ICOM America, Inc., 2380-116th Ave. N.E., Bellevue, WA 98004. The ICOM logo is a registered trademark of ICOM, Inc. *This device has not been approved by the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased until the approval of the FCC has been obtained. All stated specifications are subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. CompuServe is a registered trademark of CompuServe, Incorporated, an H&R Block Company. DAYTON396Y

ICOM

ICOM
THE NEXT GENERATION

It's Awesome!

You know who you are. You drive farther, use your mobile rig longer, and buy the most dependable radio products you can get. The FT-3000M is the *only* amateur 2-m FM mobile radio with 70 full watts of TX power! Reassuring, when you're driving a lonely stretch of highway!

Like the 50-Watt FT-2500M, the FT-3000M is rated MIL-STD 810. And, both let you take the back roads with confidence. Built to resist jolts, bumps and the corrosive affects of dust, mist, and rain, the new FT-3000M, and popular FT-2500M take abuse and perform like champs. Plus, the FT-3000M is a great base, too.

The new FT-3000M comes equipped with some sensational exclusive features!

- WIDE BAND RECEIVE! From 110-180 MHz, VHF, and 300-520 MHz UHF to 800-999 MHz*. And, AM aircraft receive!
- TWIN COOLING FANS! Unique, twin fans keep the FT-3000M running cool without a problem! So, don't worry about long transmission keydowns.
- SELECTABLE POWER OUTPUT! An awesome 70 watts, plus 50, 25, and 10 Watts.
- TRUE FM! Voice clarity has never been better.
- INTERACTIVE PROGRAMMING! Continual scrolling menu guides you through 50 settings—and won't let you forget the next step!
- SIMPLIFIED FRONT PANEL! New Quick-Touch™ dual-concentric knob controls menu programming and adjustments.
- PC PROGRAMMABLE! Optional ADMS-2B Windows™ Programming Software programs your FT-3000M in seconds!

The FT-3000M is feature-rich just like the FT-2500M, 50-Watt mobile, and built to the tough performance standards you've come to expect from Yaesu. We think you should have at least one, don't you?

"This is true Wide Band receive! VHF, UHF, and 800-999 MHz."*

"Digital Code Squelch gives me more privacy than CTCSS."

"Smart-Search™ scans and stores active channels for quick access."

"Yaesu did it again!"

US MILITARY APPROVED MIL-SPEC 810

Features

- Frequency Coverage
  Wide Band Receive
  RX: 110-180 MHz,
  300-520 MHz,
  800-999 MHz*
  TX: 144-148 MHz
- AM Aircraft Receive
- MIL-STD 810 Rating
- Interactive Programming
- High Power Output:
  70 Watts, plus 50, 25 and 10 Watts
- Quick-Touch™ Dual Concentric Control Knob
- Twin Cooling Fans
- ADMS-2B Windows™ Programmable
- Digital Coded Squelch (DCS)
- 81 Memory Channels
- Auto Range Transpond System™ (ARTS™)
- 1200/9600 Baud Packet Compatible
- Smart-Search™
- Alphanumeric Display
- Dual Watch
- Full line of accessories

70 Output Power

* Cellular Blocked

YAESU

*Performance without compromise.*SM

For the latest Yaesu news: hottest products, visit us on the Internet! http://www.yaesu.com

© 1996 Yaesu USA, 17210 Edwards Road, Cerritos, CA 90703 (310) 404-2700
Specifications subject to change without notice. Specifications guaranteed only within amateur bands. Some accessories and or options are standard in certain areas. Check with your local Yaesu dealer for specific details.

SEE US IN BOOTHS 521-524, 532-535, 586, 587. WE ARE A HAMVENTION PRIZE DONOR.

Who has the budget for HP performance?

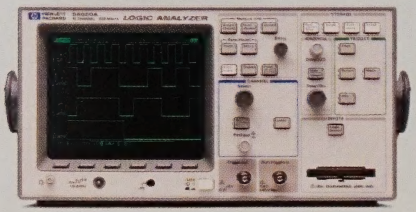
HP E3600-series power supplies: 10 to choose from, including the HP E3631A triple output programmable supply for $995*.

HP 970-series: DMMs with bench-top features — starting at $195*.

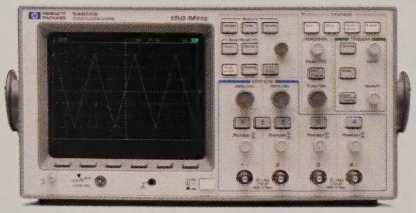
HP 34401A DMM: 6½ digits of resolution for only $995*.

HP 33120A 15 MHz function/arb generator: Custom waveforms for only $1,725*.

HP 53100-series 225 MHz counters with optional 3 and 5 GHz channels: 10- and 12-digit per second resolution. From $1,725* to $2,495*.



HP 54620A: Presenting the first logic analyzer as easy to use as a scope. And the color HP 54620C makes it even easier. Starting at $2,995*.



HP 54600B-series: Six scopes you can really trust, including the HP 54615B with 500 MHz bandwidth, 1 GSa/s sampling and 1 ns peak detect. Starting at $1,995*.

You do.

Skeptical that a company such as HP can meet your need for low cost, high-performance instruments? We understand.

Ironically, it's *because* of our high-end technology that we're able to deliver a lineup of affordable test instruments.

Who needs products within budget, without compromise?

You do. And so do thousands of other engineers and technicians who ask for instruments without all the costly frills. So each of our basic tools offers just what you need to get the job done right.

That doesn't mean we cut corners. We use our traditional engineering and manufacturing strengths to offer a multitude of high-end technologies in our no-compromise basic instruments.

And we make them incredibly easy to buy through HP DIRECT, where one call can put you in touch with the engineers who know how to make the measurements you need to make. You can call with a measurement question, for information on specs, or to discuss which product best suits your needs.

You can also ask for the HP Basic Instruments catalog. It's loaded with products and technologies you won't find from any other vendor. And it's free.

Who would believe HP could deliver an entire line of value products?

You will.

"Which instruments do you need to know more about? Call HP DIRECT today at 1-800-452-4844, Ext. 1567." Or check out our on-line HP Basic Instruments (BI) catalog at http://www.hp.com/info/bi03

There is a better way.

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*U.S. list price

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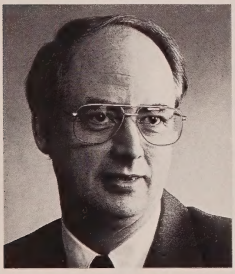
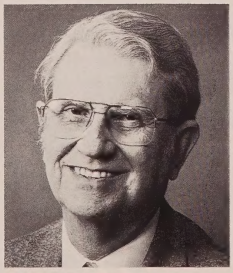
CHAIRMAN'S WELCOME



Ken Allen, KB8KE
General Chairman



Dick Miller, N8CBU
Assistant
General Chairman

Welcome!

On behalf of the Dayton Amateur Radio Association and the Dayton Hamvention Committee, I am pleased to welcome you to the 1996 Dayton Hamvention. Since before the doors closed on Sunday afternoon at last year's show, the Hamvention Committee has been hard at work to assemble another great program. As always, our goal is to provide the very best in equipment displays, an outstanding Flea Market, stimulating forums and social events. We hope that everyone visiting Hamvention finds "just what they're looking for." Again, welcome to our show. Have a great time, renew old friendships, make new ones and have a safe trip home. See you in '97.

73,

Ken Allen, KB8KE
General Chairman

The Motorola R-2600: It goes the distance on Squaw Butte.

Who'd have thought a Communications System Analyzer would make it all the way to the top of Idaho's treacherous Squaw Butte in the dead of winter – and still perform without a hitch?

Brad Rau, Senior Technician at Gem Communications in Boise. That's who.

Brad *depends* on his Motorola R-2600 for radio testing in some *very* remote sites. It's portable. And it's built Motorola-tough. Which means the Motorola R-2600 will test two-way radio, paging and cellular telephone systems in some of the roughest terrain and weather around...without a worry.

Plus windowed displays with soft key controls provide access to the comprehensive RF testing and signal encoding/decoding functions.

Call today for more information on the Motorola R-2600, priced from $10,900. And now it's even easier to buy from us. Simply ask about our easy leasing – or charge it to your Visa or MasterCard. Discover where the Motorola R-2600 can take *you!*

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818-365-5742 Dept. 439 FAX

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What you never thought possible.™

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SEE US IN BOOTHS 529. 530. WE ARE A HAMVENTION PRIZE DONOR.

TIMES AND PLACES

Exhibit Hours ...

Exhibits open and prizes on display.

Friday	Noon - 6:00 p.m.
Saturday	8:00 a.m. - 5:00 p.m.
Sunday	8:00 a.m. - 2:00 p.m.

Flea Market Hours ...

Friday	8:00 a.m. - 6:00 p.m.
Saturday	6:00 a.m. - 5:00 p.m.
Sunday	6:00 a.m. - 4:00 p.m.

Forum Hours ...

Friday	1:00 p.m. - 5:00 p.m.
Saturday	9:00 a.m. - 5:00 p.m.
Sunday	9:30 a.m. - 1:30 p.m.

Please note that some Forums are held at Meadowdale High School this year. Free shuttle bus provided.

Prize Drawings ...

Drawing for major prizes: 2:00 p.m. Sunday.

All inside areas except Prize Drawing Area (Hara Arena) will be closed and secured at 2:00 p.m. Sunday. Hara Arena will be closed after the last prize is drawn.

Message Center ...

Leave a message for your friends by entering their call sign and message at the DARA Booth #1 (next to the Prize Booth)(see map page 74). Prize monitors throughout the arena complex and at the DARA Booth will periodically list "message holding", by call sign.

Talk-in Frequencies ...

For directions and assistance in the Dayton Area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-), alternate 146.91(-). Dayton Hams also monitor 223.94 (-), and 442.1 (+). MIDCARS will again monitor and provide travel assistance on 7.258 Mhz.

Baggage Check ...

Room near Hamvention office. $1.50 per claim check. All items must be reclaimed by closing time each day. Time extended to 4:00 p.m. on Sunday. No overnight storage is permitted.

Lost and Found ...

Please take items to the Hamvention Office. (See map on page 74). We have a few items that were lost last year, please check with us.

Special Event Station...

Special Event Station W8BI/8 will again operate from the Hamvention Flea Market. The Station will be open to the public during Flea Market hours. Those who upgrade at a Hamvention testing session are especially invited to stop by and use their new privileges. (See page 76 for location.)

W8BI/8 will usually be operating in the General and Novice phone and CW portions, as band conditions dictate, to allow as many as possible to be with us in spirit.

W8BI/8 QSLs Hams and SWLs 100%. To QSL, send a business-size stamped, self-addressed envelope to W8BI/8, P. O. Box 44, Dayton, Ohio 45401-0044, or QSL via the Bureau.

Hamvention Office ...

The Hamvention office is located just inside and to the right of the main entrance of the Conference & Silver Arena (see map on page 76). Services include: general information, lost and found, advance registration pick-up, and wheelchairs.

U.P.S. Freight Service ...

United Parcel Service (UPS) will offer domestic and international air and ground freight service from the "floor of Hamvention", Booths 204 and 216, on Friday, Saturday and Sunday. UPS will have representatives at their booth to assist you with your shipping needs. See map on page 74.

Hours:	Friday	Noon	-	6:00 p.m.
	Saturday	9:00 a.m.	-	5:00 p.m.
	Sunday	9:00 a.m.	-	2:00 p.m.

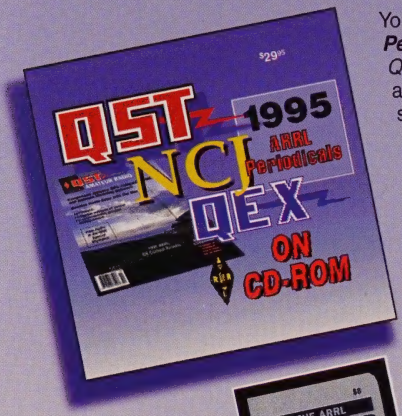
License Exams ...

License exams for all pre-registered candidates will be held at Meadowdale High School on Saturday. Shuttle bus service is provided from Hara Arena to the test site. No Walk-Ins. Test begins at 10:00 a.m. Doors open at 9:00 a.m. for check-in of pre-registered applicants. There will be no walk-ins.

Dayton Amateur Radio Association (DARA) and Hamvention fully support, and are committed to the objectives of the Americans with Disabilities Act (ADA). DARA and Hamvention strive to provide equal opportunity to all qualified persons to participate in Hamvention. Our objective is to provide access to the event that we organize and we expect nothing less of those who provide building facilities, exhibits, and services to our event.

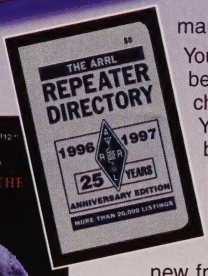
YOU'LL FIND PLENTY OF GOOD REASONS TO STOP BY AND VISIT THE ARRL BOOTH THIS YEAR.

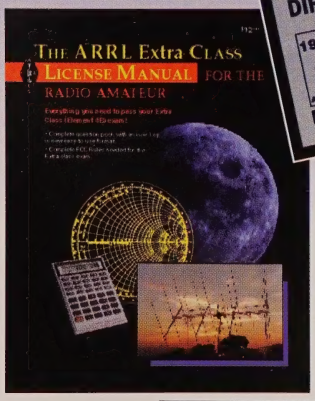
HERE ARE JUST A FEW:



You can see a demonstration of our brand new product—***ARRL Periodicals on CD-ROM***. We've compiled all 1995 *QST*, *NCJ* and *QEX* issues into one value packed CD-ROM. Having this information at your fingertips is one thing, but we've also included a number of special features to make back issue hunting expeditions obsolete. Check it out. We'll also have copies on hand at a very low price. The price for ARRL Members is $19.95. Non-Member price is $29.95.

You can pick up your copy of the brand new ***1996-1997 ARRL Repeater Directory***, hot off the presses. We'll also have the new edition of ***The ARRL Extra Class License Manual*** that includes study material for every question in the new question pool that becomes effective July 1, 1996. In addition, we'll have a complete line of books, audio and video tapes and software to browse through and purchase, featuring many new titles and editions.





You can take this opportunity to join ARRL or renew your membership. As a bonus for joining at the ARRL Booth, you can choose a title from our special book offer list—absolutely free. You'll also find a wealth of valuable hand-out material to browse through and take with you. And don't forget to take along your free ARRL button! They've become collectors' items.

The ARRL Booth has always been a gathering place to exchange ideas, voice opinions, see old friends, make new friends and meet with ARRL Officers, Directors and Staff. **We're looking forward to seeing you.**

Visit the ARRL Booth at the DAYTON hamVention®. Booth numbers: 208, 209, 210, 220, 221 and 222.

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Newington, CT
06111-1494

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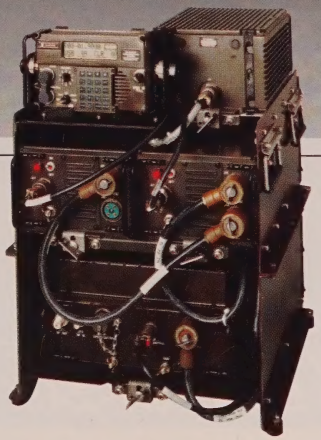
HARRIS RF COMMUNICATIONS...
...A PROUD PARTICIPANT IN
HAMVENTION '96

RF-5000B ▶
400 WATT HF
TRANSCEIVER



◀ RF-3201
125 WATT HF
TRANSCEIVER

Harris RF Communications has earned a lasting reputation for delivering a broad range of radio communications equipment marked by quality, dependability, and ruggedness.

Today, Harris HF, VHF, UHF radio equipment, secure communications, digital image transmission and automated communications systems are in service around the world for customers including:

- US and worldwide armed forces
- United Nations Peace Keeping Forces
- Nations seeking improved communications networks
- Disaster assessment and recovery teams

Harris is committed to the application of advanced technology to provide customers with innovative solutions for increased productivity and a competitive advantage. This commitment means continuously building our winning team of engineers.

Current opportunities include openings for Firmware Engineers and Firmware/Digital Hardware Support Engineers. Requirements for these positions include BSEE/BSCE with 2+ years experience with C, C++, PL/M, and Intel microprocessor/microcontrollers. 80C51 and real-time multi-tasking operating systems experience a plus.

Our Rochester location in picturesque upstate New York offers a progressive, modern city with a recognized high quality of life.

To learn more about Harris RF Communications, these, and other career opportunities, meet our representatives at booth #70, or forward your resume to us at:

Harris RF Communications
Department of Human Resources
1680 University Ave., Rochester, NY 14610
FAX: (716) 242-4711 E-mail: lbd@rfc.comm.harris.com
or reach us on the Internet: http://www.harris.com/rfc

HARRIS
RF COMMUNICATIONS DIVISION

When success is your only option.™

SEE US IN BOOTH 70.

JRC

JST-245

160-10 Meters PLUS 6 Meter Transceiver

Fifteen reasons why your next HF transceiver should be a JST-245

1. All-Mode Operation (SSB,CW,AM,AFSK,FM) on all HF amateur bands and 6 meters. JST-145, same as JST-245 but without 6 meters and built-in antenna tuner.
2. MOSFET POWER AMPLIFIER • Final PA utilizes RF MOSFETs to achieve low distortion and high durability. Rated output is 10 to 150 watts on all bands including 6 meters.
3. AUTOMATIC ANTENNA TUNER • Auto tuner included as standard equipment. Tuner settings are automatically stored in memory for fast QSY.
4. MULTIPLE ANTENNA SELECTION • Three antenna connections are user selectable from front panel. Antenna selection can be stored in memory.
5. GENERAL COVERAGE RECEIVER • 100 kHz-30 MHz, plus 48-54 MHz receiver. Electronically tuned front-end filtering, quad-FET mixer and quadruple conversion system (triple conversion for FM) results in excellent dynamic range (>100dB) and 3rd order ICP of +20dBm.
6. IF BANDWIDTH FLEXIBILITY • Standard 2.4 kHz filter can be narrowed continuously to 800 Hz with variable Bandwidth Control (BWC). Narrow SSB and CW filters for 2nd and 3rd IF optional.
7. QRM SUPPRESSION • Other interference rejection features include Passband Shift (PBS), dual noise blanker, 3-step RF attenuation, IF notch filter, selectable AGC and all-mode squelch.
8. NOTCH TRACKING • Once tuned, the IF notch filter will track the offending heterodyne (±10 Khz) if the VFO frequency is changed.
9. DDS PHASE LOCK LOOP SYSTEM • A single-crystal Direct Digital Synthesis system is utilized for very low phase noise.
10. CW FEATURES • Full break-in operation, variable CW pitch. built in electronic keyer up to 60 wpm.
11. DUAL VFOs • Two separate VFOs for split-frequency operation. Memory registers store most recent VFO frequency, mode, bandwidth and other important parameters for each band.
12. 200 MEMORIES • Memory capacity of 200 channels, each of which store frequency, mode, AGC and bandwidth.
13. COMPUTER INTERFACE • Built-in RS-232C interface for advanced computer applications.
14. ERGONOMIC LAYOUT • Front panel features easy to read color LCD display and thoughtful placement of controls for ease of operation.
15. HEAVY-DUTY POWER SUPPLY • Built-in switching power supply and a cooling systems designed for continuous transmission at maximum output.

JRC *Japan Radio Co., Ltd.*

430 Park Ave., 2nd Floor New York, NY 10022 Phone: (212) 355-1180 Fax: (212) 319-5227

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REGISTRATION & TICKET SALES

General Admission...

Tickets (valid all 3 days) . . . . . **$15.00** Age 12 or younger . . . . . **FREE**

A general admission ticket is required to attend the Alternate Activities. This ticket can be purchased at Meadowdale High School.

Mail order ticket requests RECEIVED by May 3 (Canada - April 26) were sent by return mail. Orders received AFTER the deadlines are held for pick-up in the Hamvention office.

Grand Banquet...

Tickets $25.00 each. Tickets will be sold until noon Saturday at Hara Arena. If banquet tickets are still available, they may be purchased at the banquet door.

Admission Tickets May Be Purchased...

Thursday . . . . . .Starting at noon	Friday . . . . . .Starting at 7:00 a.m.
Saturday . . . .Starting at 6:00 a.m.	Sunday . . . . .Starting at 6:00 a.m.

Alternate Activities Luncheon...

(Includes door prize drawing)

Luncheon Saturday . . . .$9.00 Sunday.....$9.00

Flea Market...

A general admission ticket is required to enter the Flea Market. For 1997 Flea Market permits, watch for our ad in various amateur radio magazines. See pages 5 and 39 for more Flea Market information.

Luncheon tickets are sold only at:

Hara Arena (Room 3)
Meadowdale High School

Friday	2:00 p.m. to 3:00 p.m.
Saturday.....	8:00 a.m. to noon
Sunday	8:00 a.m. to noon

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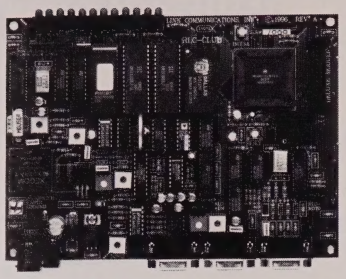
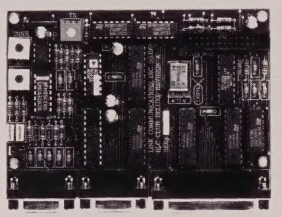
See why the RLC-CLUB knocks the competition's socks off!



$500.00 RLC-CLUB



$175.00 DELUXE MODULE

Remote base support for Icom CI-V, Kenwood serial and Yaesu CAT HF\VHF radios. Other remote bases supported include the RLC-ICM IC-900 band module controller and the Doug Hall RBI-1 interface.

Only the RLC-CLUB controller system gives you Windows™ programming software that allows timers, messages, users and most functions to be set-up with the ease of a computer; very powerful autopatch features, and multiple repeater control at such a low price! And with the addition of the RLC-Deluxe module an additional radio port, increased output contols and support for our large voice mail based Digital Voice Recorder is provided.

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Dual Port Repeater and Remote Base Controller

- Individual full duplex repeater, link or remote base port with second additional radio port expansion using the Deluxe option module.
- Built in Autopatch with 500 number autodialer, 500 call sign slots, 500 user autopatch code and 500 number long distance dialing table.
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- TI voice synthesizer with 685 word male, female and special effects library
- Internal 16 second Digital Voice Recorder allows custom voice message.
- 2 analog temperature inputs, signal strength input and door alarm input standard.
- 8 output function control lines using the Deluxe option module.
- Built-in front panel 12-LED display. Shows COR, PL, PTT and DTMF valid.
- 19" Rack Mount Enclosure available for $50.00.
- FCC part 68 patch with fuse and surge protection, FCC part 15 class A typed.
- Free Windows™ programming software included with easy on-line help menus.

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World Wide Web Access: http://www.link-comm.com/linkcomm • Voice: (406) 482-7515 • Fax: (406) 482-7547 • Sales: 1-800-610-4085

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WOW! What a selection!

From 80 meters to microwave...M² has the right antenna to match your attitude, your application, or your special interest.

When you're ready to move up from "one-size-fits-all" antennas...

When you need the performance of a specialized antenna...

When you need an antenna that's built to last...

M² IS READY!

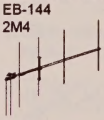
Call, write or fax for our new catalog.

80 Meters
80M1
80M2
80M3

H.F. Logs
6-10LP5
7-10-30LP8
10-30LP8
17-30LP7
40 Meters
40M1L
40M2L
40M3L
40M4L
20 Meters
20M4
20M6

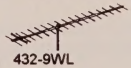
17 Meters
17M3
17M5
15 Meters
15M4
15M6

10 Meters
10M4
10M7
6 Meters
6M SQLOOP
6M5
6M7
6M2WL
6M2.5WL
2 Meters
2M SQLOOP
SQLOOPSTAK
EB-144
2M4



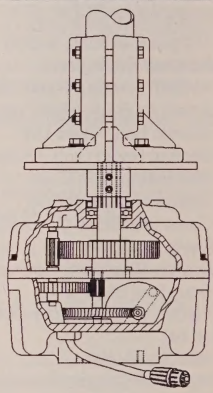
2M7
2M9FM
2M9SSB
2M12
2M5WL
2M18XXX
2M8WL
2MCP14
2MCP22
137CP14
Dual Band
2M5-440XP
220 MHz
222-7EZ
222-10EZ
222-7WL
UHF
EB-432

***432 OMNI**
420-450-5HD
420-450-11
440-18
***440-21ATV**
436CP30
***436CP42 U/G**



432-9WL
432-13WLA
902 MHz
902-10EZ
902-16EZ
902-14WL
23 CM
23CM22EZ
23CM35

*** = NEW**



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- **SPLINED OUTPUT SHAFT**
- **MICROPROCESSOR CONTROL**
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- **MADE IN THE U.S.A.!**

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Visit our many fine dealers at Dayton

- **ANTENNAS**
- **OR-2800 Rotator & digital Control Unit**
- **Accessories**

WE ARE A HAMVENTION PRIZE DONOR.

OTHER INFORMATION

Bus Transportation ...

Avoid parking problems by taking the HAMVENTION buses.

There will be Bus Service provided between Hamvention and our satellite parking areas which include: Forest Park Plaza, Salem Mall, and the Air Force Museum. In addition, we will have hotel/motel pick-up bus service available for $3.00/round trip. Tickets are **only** available at the following hotels.

Days Inn Downtown Dayton
Best Inn
Best Western Continental Inn
Best Western North Plaza
Budget Inn
Comfort Inn
Country Hearth Inn
Courtyard by Marriott
Days Inn (Harshman Rd.)
Days Inn North
Days Inn Dayton South
Dayton Airport Inn
Dayton Marriott Hotel
Doubletree Guest Suites
Econolodge North
Econolodge South
Economy Inn
Fairfield Inn by Marriott, Miller Lane
Hampton Inn Northwest
Hampton Inn South
Holiday Inn Dayton Mall
Holiday Inn Dayton South
Holiday Inn North
Howard Johnson Dayton
Holiday Inn Dayton Northwest Airport
Knights Inn Dayton South
Knights Inn Dayton North
Motel 6 South
Park Inn International Dayton Airport
Parkview Inn
Radisson Hotel & Suites
Radisson Inn Dayton
Red Horse Motel
Red Roof Inn Dayton North, Miller Lane
Red Roof Inn Dayton Miamisburg
Residence Inn by Marriott, Dayton North
Residence Inn by Marriott, Dayton South
Riverside Motel
Signature Inn
Stouffer Renaissance Dayton Hotel
Super 8 Motel, Old Troy Pike
Scottish Inn
Travelodge

Buses will run continuously and make routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible.

Banquet Route ...

A bus will only be available from Miami Valley Technology Center and Dayton Tall Timbers Resort (KOA) to and from the Convention Center.

Parking ...

There are approximately 8,000 privately owned pay-to-park parking spaces near Hara Arena. In addition, we have again arranged for free parking and free shuttle bus service at Forest Park Plaza, Salem Mall, and the Air Force Museum.

Camping ...

Campers, trailers, self-contained vehicles, or vehicles that require more than one space will not be permitted to park at Salem Mall. Semi-tractor/trailers and large self-contained vehicles may park at Forest Park Plaza and take the shuttle bus to Hara Arena. No overnight parking allowed at Forest Park Plaza. Campers and trailers may park/camp at the Miami Valley Career Technology Center - fee charged (after 3:30 p.m. on Friday and all day Saturday and Sunday), and at Tall Timbers KOA (1-800-432-CAMP). Shuttle service available.

Loading Pass ...

You can obtain a **20 minute** loading pass to load or unload by requesting a loading pass from the traffic committee at Entrance 1. You will be issued a time stamped pass to allow you to park in a designated area in front of the arena buildings. (See map on page 74).

Wheelchairs ...

Wheelchairs are available at the Hamvention office with proper I.D.

Handicapped Parking Permits...

Handicapped visitors have been issued special parking passes in advance.

FUTURE HAMVENTION DATES ...

1997 — May 16,17, 18 **1998** — May 15,16, 17 **1999** — May 14,15, 16

Hamvention Phone Numbers ...

Office	276-6930
Flea Market	276-6932
Exhibits	276-6931
Communications	274-1410
Forums	274-9542
Emergency Phone	276-8905

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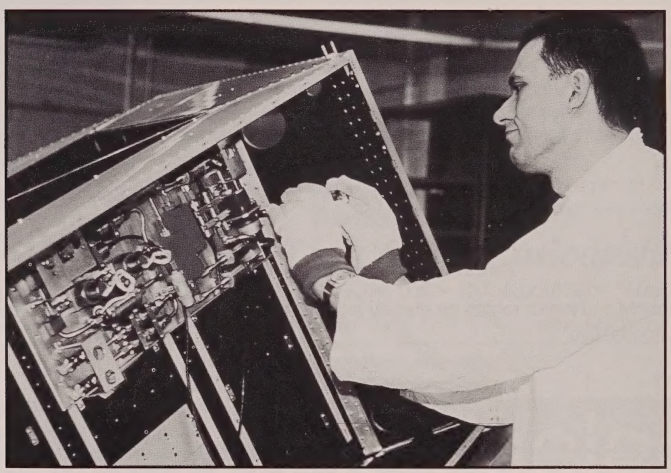
Yourself and Amateur Radio

Yes, you can contribute to the future of our hobby by doing your part toward the completion of the

Phase 3D Satellite



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How to Use the Amateur Radio Satellites
and
A handy laminated Satellite Frequency Chart

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PO Box 27
Washington, DC 20044

SEE US IN BOOTHS 445-448. WE ARE A HAMVENTION PRIZE DONOR.

OTHER INFORMATION continued

Accurate Address Information Needed...

Did you fail to get advance Hamvention information in the mail this year? If so, there may have been a problem with your mailing address. Our mailing list is compiled from information taken from advanced registration and admission ticket stubs.

Banking Services...

Due to changes in banking regulations, Bank One will no longer be able to offer its services on site. However, the Bank One Salem Mall branch will offer a full range of services. For your convenience there is an ATM at the front entrance to Hara Arena and there are several bank branches and ATM machines at the Salem Mall and the Forest Park shopping center. Check for hours. Both locations are accessible by shuttle bus. (See map on page 81 for location).

Emergency Medical Care ...

There is an Urgent Care Office located at

5915 N. Main Street

Their hours of operation are from 8:30 a.m. to 10:00 p.m. 278-3826.

From Hara Arena, take Shiloh Springs Road to the traffic light at Main Street, turn left, to the first building on the left.

Also located in the area is Good Samaritan Hospital -

2222 Philadelphia Drive

278-2612.

From Hara Arena, take Wolf Road to Salem Avenue, take a left, proceed to the traffic light at Philadelphia Drive.

Scholarships...

Scholarship applications are available at the DARA Booth (Booth #1).

HOW TO BE ...

An Exhibitor

To receive information about becoming a new exhibitor at the 1997 Hamvention, leave your name and address at the Exhibits Office or write to: Hamvention Exhibits Chairman • P.O. Box 964 • Dayton, OH 45401-0964

A Forum Speaker

If you would like to be considered as a Forum speaker for the 1997 Hamvention, write to:
Hamvention Forums Chairman • P. O. Box 964 • Dayton, OH 45401-0964

Listed as an Unofficial Functions

To be listed in the Unofficial Functions section of the 1997 program and/or our direct mail pieces: Write to:
Hamvention Publications Chairman • P. O. Box 964 • Dayton, OH 45401-0964

Deadline for mailer: January 3, 1997

Deadline for program: March 10, 1997

A Program Advertiser

To receive information about becoming a new advertiser in the 1997 Hamvention program, write to:
Hamvention Advertising Chairman • P. O. Box 964 • Dayton, OH 45401-0964

A DARA Member

If you would like to join the Dayton Amateur Radio Association (DARA), go to Booth #1 (next to the Prize Booth) in the Hara Arena building.

Membership through June 30, 1997: $6

Additional family membership (at the same address): $2 per person

VIBROPLEX®

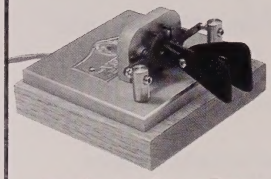
"Since 1890"

"the oldest name in amateur radio"

A CQ Advertiser Since 1947
AMERICAN MADE

NEW VIBROPLEX® SQUARE BRASS RACER

The ***NEW*** model in the Vibroplex® line. Distinctive iambic paddle, crafted from solid lacquered brass and mounted on a base of polished hardwood. Purely magnetic key action - no springs! By setting the contact lever tension with magnets, a "snappy" make and break action is achieved. Easy to adjust. Precise control of the "feel" of the key for sending good code. The key preferred by high speed (and regular) CW ops. The latest Vibroplex Collectable with the famous brass Vibroplex logo plate! Get yours soon for a low serial number.



The Square Brass Racer

Also available - Vibroplex 100th Anniversary Book ($19.95), Keys II The Emporium ($15.00), other gift items, and parts lists for all current models. Write or see your local dealer. VISA, MC and Amex accepted.

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11 Midtown Park, E., Mobile, AL 36606
Toll Free 1-800-840-8873
FAX 1-334-476-0465
Dealers wanted outside the US. Call or FAX

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http://www.eio.com

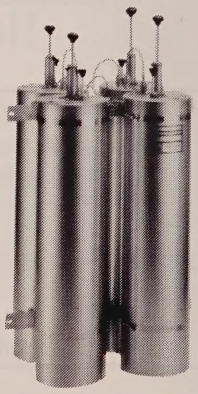
eio is a versatile electronics surplus source associating information with the distribution of electronics, computer and optical materials. We have implemented an innovative, interactive via e-mail, liquid crystal display technical forum. More forums will follow on laser light shows, stepper motors, robotics, and holography. We boldly supply links to competitors, revealing alternative and additional sources of surplus electronics, along with providing a rich listing of information on events (trade shows, swap meets, conferences, etc.) and resources such as web sites, magazines, newsgroups, and information of interest to the technologically inclined.

http://www.eio.com

TX RX SYSTEMS INC.

VARI-NOTCH® DUPLEXERS
FOR 2 METERS

The TX RX Systems Inc. patented Vari-Notch filter circuit, a pseudo-bandpass design, provides low loss, high TX to RX, and between-channel isolation, excellent for amateur band applications. TX RX Systems Inc. has been manufacturing multicoupling systems since 1976. Other models available for 220 and 440 MHz, UHF ATV and 1.2 GHz.



19" RACK MOUNT

MODEL 28-37-02A

144-174 MHz
92 dB ISOLATION AT 0.6 MHz SEPARATION
400 WATT POWER RATING

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A MEMBER OF THE BIRD TECHNOLOGIES GROUP

SEE US IN BOOTHS 414, 415.

UNOFFICIAL FUNCTIONS

FRIDAY

4:00-**RAINBOW AMATEUR RADIO ASSOCIATION**

Huber Heights Comfort Inn, 7907 Brandt Pike, Dayton, Ohio at 4:00 p.m.

The Radio Club for gays, lesbians and their friends. See lobby sign for location to the Hospitality Suite. For more club info, please contact us at our e-mail address at: rarc@en.com

6:30-**AMSAT DINNER**

Amber Rose Restaurant, 1400 Valley St, Dayton , Happy Hour at 6:30 p.m. and dinner at 7:30 p.m.

See Ed Collins, N8NUY at the AMSAT Booth. Talk-in 145.410 (-).

7:00 -**KC DX Club Hospitality Suite**

Stouffer Renaissance Hotel, Suite 525

Sponsored by the Southeastern DX Club Friday night. The infamous CW pileup contest will be Saturday night ONLY. Prizes will be associated with the contest.

7:00-**QCWA DINNER -** QCWA-OOTC

Banquet at Alex's Continental Restaurant, I-75 Exit 44, 1/3 mile west on St. Rt. 725.. C.O.D. bar at 7:00 p.m. and dinner at 7:30 p.m.

Advance reservations required. Program will relate to Dayton's role in the development of radio. QCWA membership is not required.

7:00 -**TAPR/MVFMA PACKET BASH**

NCR Sugarcamp, 101 W. Schantz Avenue, 7:00 p.m. Reservations required.

Sponsored by TAPR and the Miami Valley FM Association. A chance to meet with digital radio enthusiasts from around the world. Buffet dinner, speaker, raffle, TAPR NetSIG Meeting. Stop by the TAPR Booth (Booths 542 and 543) for more information. Our WWW address is: http://www.tapr.org/tapr/html/dayton.html

7:15 -**DX DINNER (11th Annual)**

Stouffer Renaissance Hotel (across from the Dayton Convention Center) Displays and cash bar at 6:30, dinner at 7:15 p.m.

Sponsored by Southwest Ohio DX Association. Advance reservations are required. Join us for a dinner with big guns and little pistols, then visit the many DX hospitality suites in the hotel afterwards!

7:00-**FISTS INTERNATIONAL CW CLUB**

Stouffer Renaissance Hotel, Windows Lounge, from 7:00 p.m.

An informal get-together for all members of the FISTS International CW Club and others interested in promoting the use of Morse on the ham bands. Cash bar. All FISTS members and others interested in CW operation are encouraged to stop in and say hello. For information, contact:

Peter Kozup, K8OUA
5115 N. Park Ave.
Warren, OH 44481
Phone: (216) 847-0975
E-mail: 76022.2303@compuserve.com

7:30-**SSTV GET TOGETHER**

Holiday Inn North, 2301 Wagner Ford Road

Bert Boyt, W5ZR, and Don Miller, W9NTP, will host. Latest developments in experimental hardware and software for SSTV will be presented and demonstrated with many setups. IVCA leaders will welcome international visitors.

8:00-**WESTERN NEW YORK DX ASSOCIATION**

Stouffer Renaissance Hotel Hospitality Suite, Room 325 from 8 p.m.

Drop by for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

8:00-**SOCIETY OF MIDWEST CONTESTERS**

Stouffer Renaissance Hotel, Room 1201, 8:00 p.m. until ??

SATURDAY

6:00-**SATURDAY MORNING BREAKFAST**

Complete breakfast including sausage, coffee, milk, orange juice and all the pancakes you can eat - for $5.00. 6:00 a.m. to 9:30 a.m.

Shiloh Church, two minutes from Hara Arena at N. Main Street (Rt. 48) and Philadelphia Drive. From Hara Arena, take Shiloh Springs Road east to the traffic light at Main Street, turn right and go south one block to Philadelphia Drive. Turn right on Philadelphia

2 Meters + 440
THIS IS HOW IT'S DONE.

DR-610T DUAL BAND MOBILE/BASE VALUE LEADER

Full-featured, easy to operate, dependable performance.

- Expandable to 240 memory channels–5 memory banks!
- Detachable remote-mount face plate
- Versatile operation–VHF/UHF, UHF/VHF, VHF/VHF, UHF/UHF
- Internal duplexer at no extra cost. One easy antenna connection.
- Long Tone Zero (LITZ) Emergency Alert
- Aircraft band receive
- Includes CTCSS encode PLUS European tone bursts
- 9600 bps packet ready!
- 50/10/5 watts/2m 35/10/5 watts/440
- Alinco's Channel Scope℠ graphic band activity display
- RX - VHF 108 to 173.995 MHz, UHF 420 to 470 MHz
- MARS/CAP Modifiable (permits required)
- Cross-band repeater function

DJ-G5TH DUAL BAND HT PACKED WITH FEATURES!

The 2 Meter/440 HT that's ready to travel the world.

- 200 memory channels (100 VHF, 100 UHF)
- 5 watts output
- Large illuminated display and backlit keypad
- Versatile operation – VHF/UHF, VHF/VHF, UHF/UHF
- Alinco's Channel Scope℠ graphic band activity display
- "Clones" over the air!
- Includes CTCSS encode/decode PLUS European tone bursts
- Aircraft band receive
- 2 PTT buttons, assign one for each band or high power/low power transmit
- MARS/CAP modifiable (permits required)

Plus many more advanced functions at no extra cost!

DR-605T DUAL BAND MOBILE/BASE ECONOMY CHAMP

Full 2 meter/440 performance at an affordable price!

- 100 memory channels including cross-band memories
- CTCSS encode PLUS European tone bursts (1450, 1750 and 2100 Hz)
- 9600 bps packet ready with dedicated terminals
- Internal duplexer – one easy antenna connection
- Cross-band repeater function
- Large controls, easy to operate, easy to program
- RX - VHF 136 to 173.995 MHz, UHF 420 to 470 MHz
- TX - VHF 50 watts, UHF 35 watts
- MARS/CAP modifiable (permits required)
- Time-out timer
- With the optional EJ-24U CTCSS Tone Decoder Unit can operate in "tone squelch" receive AND search (tone scan) for a specific CTCSS tone in a received signal

This device has not been approved by the Federal Communications Commission. This device is not, and may not be, offered for sale or leased until the approval of the FCC has been obtained.

Simple ■ Clean ■ Dependable

ALINCO ELECTRONICS INC.

THE NEW VALUE LEADER IN AMATEUR RADIO℠

SEE US IN BOOTHS 628, 629, 635, 636. WE ARE A HAMVENTION PRIZE DONOR.

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Phone: (310) 618-8616 • Fax: (310) 618-8758 • Internet: http: //www.alinco.com

Specifications are subject to change without notice or obligation. Performance specifications only apply to amateur bands. Permits required for MARS/CAP use.

Free Accessories
THIS IS HOW IT'S DONE.

When you purchase a new radio, part of the fun is getting a few extra accessories. It's even more fun when they're FREE. That's why when you purchase any of the Alinco Radios listed here **before June 30, 1996,** you can get a free accessory bonus! This is how it's done.

Buy the **DJ-G5T Two Meter + 440 Hand-held** and get:
the **EMS-9 speaker-microphone** AND **your choice of a soft case** ***(A $54 value)***
Specify ESC-28 for EBP-33N battery; ESC-29 for EBP-37N battery; or ESC-30 for EBP-34N, EBP-35N and EBP-36N batteries.

Buy the **DR-130T Mobile/Base Two Meter Radio** and get:
a **packet radio TNC interface cable** PLUS your choice of EITHER the **EJ-19U 100 memory expansion module** ***(A $43 value)*** OR the **EJ-20U CTCSS tone decoder unit** ***(A $56 value)***

Buy the **DR-150T Mobile/Base Two Meter Radio** and get:
the **EJ-20U CTCSS tone decoder unit** ***(A $41 value)***

Buy the **DJ-191T Two Meter Hand-held Radio** and get:
the **EDC-36 filtered DC cigar lighter power cord** ***(A $21 value)***

Buy the **DJ-G1T Two Meter Hand-held Radio** and get:
the **EJ-16U CTCSS tone decoder unit** ***(A $57 value)***

Buy the **DX-70T Mobile/Base HF** and get:
the **EBC-9 mobile mounting bracket** AND the **EDS-4 remote mounting cable** ***(A $63 value)***

Buy the **DR-610T Two Meter + 440 Mobile/Base Radio** and get:
the **EBC-8 remote head mounting bracket** AND the **EDS-3 remote mounting cable** ***(A $55 value)***

SEE US IN BOOTHS 628, 629, 635, 636. WE ARE A HAMVENTION PRIZE DONOR.

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Model: _____
Serial Number: _____
Purchase Date: _____ / _____ / _____

Name: _____ Call Sign: _____
Address: _____ Phone: (_____) _____ - _____
City: _____ State _____ Zip: _____
Free Accessory Model Number(s): _____ Dealer: _____

Product redeemable from
Alinco® Radio, 438 Amapola Ave., #130, Torrance, CA 90501

Mail this form with a copy of your sales receipt to Alinco® Radio. Please allow 4 to 6 weeks for delivery. This offer not valid with any other. Offer valid in the U.S.A. and Canada between 3/1/96 – 6/30/96 and must be postmarked no later than 7/5/96. Void where prohibited. Not valid with any other offer.

The **POWER STATION is a 12V x 7 Amp-hr gel-cell battery** that provides 12V from a cigarette lighter outlet to power an HT at 5 Watts for 3-5 weeks (depending on how long-winded you are), cellular phones, computers, camcorders, DC to AC inverters etc. The POWER STATION also has 2 hidden terminals that will provide up to 90 Amps (short circuit) for hardwiring VHF, UHF, QRP & HF mobile radios such as the ICOM IC-706 (at 100 W SSB!) for the ultimate in backpacking. It provides 3V, 6V, & 9V from a 3.5mm jack to power CW keyers, CD players, Walkmans etc. at up to 500mA. The POWER STATION has a voltmeter that shows the exact state of charge of the battery, not worthless idiots lights that tell you "YOUR BATTERY IS NOW DEAD." The voltmeter can be used to measure voltage of other sources. The POWER STATION charging circuit uses voltage sensing to automatically shutoff when the battery is completely re-charged (regardless of the initial charge). So you can charge it when it has been only slightly discharged, then recharge it. Comes complete with wall charger and a cord for re-charging via automobiles. **Warning**: If other companies say they sold you an 8.5 Amp-Hr version, look inside, its 7 Amp-Hr!

Now in 11 AMP-HR! The **SUPER STATION** is similar to the Power Station. It lacks the 3V, 6V, 9V feature but has a massive **11 Amp-Hr** Gel cell battery, large jumper cables that provide up to 200 Amps (short circuit) and 100,000 candle power lamp & flasher (Handy if the car breaks down). Comes with chargers for the house & automobile that automatically shutoff when the battery is completely re-charged (regardless of the initial charge). Ask for the CL5000 SUPER STATION!

The CL555 is a flashlight & 2 Amp-Hr gel cell power supply & is perfect for ARES, RACES, DCS emergency use as well as camping or field day. It provides 1.5, 2, 3, 4.5, 6, 7.5, 9, & 12V to a 4-way coaxial plug like those needed to power many handhelds. The CL555 also has a cigarette lighter socket fused at 15 Amps for cellular phones, laptops, handhelds, etc. During a power failure the CL555 will automatically turn on a brilliant 100,000 candlepower flashlight. This item is great for Earthquake, Flood, Fire, Snowstorm or Hurricane prone areas. The CL555 comes with chargers for the house & the car (that auto shutoff when charged), a carrying strap, spare bulb & jumper cables so you can charge those gel-cells that are in your shack. (3 lb. & 2"x 3"x 8")

12VDC to 110VAC inverters Plug into the cigarette lighter or direct to batttery & get AC power for tools, radios, VCRs, TV's, computers, battery chargers, etc. Operate on 11 to 15 V DC & have a modified sine wave output. From 140 W to 3000W Great with the POWER or SUPER STATION!

The MINI STATION 2.3 is a portable 2.3 Amp-Hr gel cell. Comes with carrying pouch with belt loop, removable shoulder strap and auto shutoff wall charger. Power your HT for days/weeks using your cigarette cord. Great for cell phones, laptops, even spotlights!

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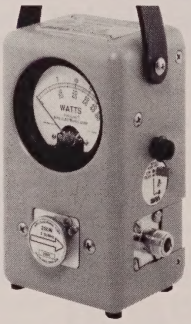
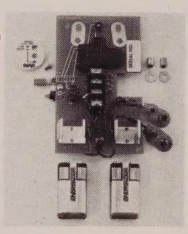
NEW Advanced Bird Model 43P Wattmeter



MEASURES PEAK POWER OF SSB AND OTHER AM SIGNALS

The new Bird Model 43P Wattmeter — similar to our standard Model 43 Wattmeter — has the added capability of measuring audio peak power of single sideband and other AM modulated signals.

The Model 43P includes a peak measuring circuit board which mounts into the back of the Model 43 housing, enabling you to measure peak power to an 8% F.S. accuracy, without affecting cw operation or accuracy. (Owners of the standard Model 43 can modify their own units with retrofit kit Model 4300-400.)



Contact your Bird distributor or the factory for details.

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621 Ojai Ave., Suite F, P.O. Box 28, Ojai, CA 93023 805-646-7255

UNOFFICIAL FUNCTIONS continued

Drive and enter parking lot at the second entrance on the left. Follow the signs.

12:30 - **ADVENTIST AMATEUR RADIO ASSOCIATION**

Centerville Seventh-Day Adventist, 456 W. Spring Valley Pike. Lunch at 12:30 p.m., supper at 6:30

We invite you to join us for lunch at 12:30 p.m. and stay through the day and enjoy supper at 6:30 p.m.

Contact frequencies of 145.11, 147.075, and 224.16.

1:00- **FIREBIRDS ARC MEETING**

Meadowdale High School Auditorium

"Treasurer's Report" by Brooks Grooms, N9AZK, Treasurer. President Bill Hope, KD4IJK, will moderate. "Net Control Guidelines" will be presented by Mel White, KB8RM, Vice President. Free shuttle bus from Hara Arena. Special frequent bus schedule from 12:30 p.m. to 1:00 p.m. and 2:30 p.m. to 3:00 p.m.

4:00- **RAINBOW AMATEUR RADIO ASSOCIATION**

Huber Heights Comfort Inn, 7907 Brandt Pike, Dayton, Ohio at 4:00 p.m.

The Radio Club for gays, lesbians and their friends. See lobby sign for location to the Hospitality Suite. For more club info, please contact us at our e-mail address at: rarc@en.com

5:00- **LAMBDA AMATEUR RADIO CLUB MEETING**

Ramada Inn, 4079 Little York Road, Dayton, Ohio.

Annual meeting at 5:00 p.m. and Awards Banquet at 7:30 p.m.

6:00- **E. A. R. S. (Evansville, Indiana)**

"Eating Meeting"Skyline Chili, I-75 & Sharon Road, Sharonville, Ohio, (North suburban Cincinnati) 6:00 p.m. Dayton time.

For Electronic Application Radio Service (E.A.R.S.) members and amateurs interested in E.A.R.S. Wide Area Repeater System Group. Talk-in on 145.15 simplex.

6:00 - **ANNUAL LDS HAMS SOCIAL (10th Annual)**

Church of Jesus Christ of Latter-Day Saints, 1500 Shiloh Springs Road (a block west and across the street from Hara Arena) at 6 p.m.

The Mercury Midwest Chapter will hold its annual Social at 6:00 p.m. at the Church of Jesus Christ of Latter-Day Saints, 1500 Shiloh Springs Road (a block west and across the street from Hara Arena). All LDS hams and friends are invited to attend. For further information, contact:

Paul Forgrave, K8ES
1850 Carriage Road
Powell, OH 43065
E-mail: 76251.1212@compuserve.com

7:00 - **KC DX Club Hospitality Suite**

Stouffer Renaissance Hotel, Suite 525

Sponsored by the KC DX Club. The infamous CW pileup contest will be Saturday night ONLY. Prizes will be associated with the contest.

8:00 - **WESTERN NEW YORK DX ASSOCIATION**

Stouffer Renaissance Hotel Hospitality Suite, Room 325 from 8:00 p.m.

Drop by for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

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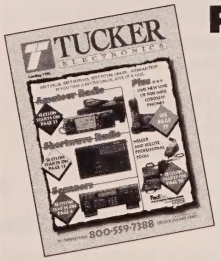

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WHILE YOU'RE HERE

Air Force Museum

The world's largest military aviation museum with over 10 acres of aircraft and other exhibits under roof is a free attraction which is family oriented and includes nearly 300 aircraft and rockets such as the Sopwith Camel, the B52 and B-1A bombers and the F117A "Stealth Fighter", as well as the Apollo 15 space capsule which circled the moon in 1971, plus more than 6,000 personal artifacts, documents, photographs and mementoes of Air Force history from the early 1900's. Free historical movies are shown daily in the museum's 500 seat Carney Auditorium. Also available for your convenience are an extensive gift shop, bookstore, cafe and picnic shelters.

The giant screen IMAX Theatre will put you in the heart of the action. It's "the next best thing to being there". **NOTE:** Shows and times have been changed since the "Spring Brochure" that you may have received in the mail. Films shown are "Skyward" and "Silent Sky" (a double feature) shown at 11, 1 and 3 on Friday with these features being shown on Saturday and Sunday at 1:00 and 3:00 p.m. **only**. "Destiny in Space" (prepare to explore the universe) shown at 12 noon, 2, and 4 p.m. (30 minutes), and "To Fly" (the ecstacy of flight with the Blue Angels, and a magnificent hot air balloon flight) shown at 10:00 a.m. on Friday and at 10:00 a.m. and 5 p.m. Saturday and Sunday (30 minutes). A film on "Beavers" will be shown at 11:00 a.m. on Saturday and Sunday.

IMAX admissions are $5 Adults, $4.50 Sr. Citizens, $3.50 students, and $2.25 ages 3 to 7. Hours of operation are 9:00 a.m. to 5:00 p.m. daily. The facilities are also very accessible to those with disabilities. Free shuttle bus from Hara Arena.

Northeast of Dayton on Wright-Patterson Air Force Base 255-3284 for Museum and 253-IMAX for IMAX information.

Take I-75 to Exit 58. Take Needmore Road (Wright Brothers Parkway) east 6 miles to Springfield Pike exit. Turn right at the bottom of the ramp onto Springfield Pike. Museum is on the right.

Take I-70 to Exit 41 (SR 4). Take SR 4 south 6.5 miles to Harshman Road exit. Turn left at the bottom of the ramp onto Harshman Road (Wright Brothers Parkway) and travel 1 mile to Springfield Pike exit. Turn right at the bottom of the ramp onto Springfield Pike. Museum is on the right.

Aviation Trail/Wright Cycle Company

Aviation Trail /Wright Cycle Company welcomes you to Wright-Dunbar Village, the home of Orville and Wilbur Wright, the fathers of aviation, and Paul Laurence Dunbar, the poet who charmed the world with his lyric genius. As teenagers, the Wrights published the early poems and essays of Paul Laurence Dunbar, who was a classmate of Orville's and a friend to both brothers. Dunbar left this area behind as he gained national and world renown. By 1900, Dunbar was a world figure whereas, outside of Dayton, only a handful of glider enthusiasts knew of the Wrights. Orville and Wilbur Wright began their careers as printers while still in school, but after graduation they entered the bicycle business and finally, aviation. You will be stepping directly into history as you walk upon the original floors where Orville & Wilbur did their planning and building. Exact replicas of the machinery used by the brothers is on the site, as well as original bicycles from that era. They had seven printing press businesses, five bicycle shops, and three buildings where they worked on the airplane.

Near downtown Dayton west of I-75. 443-0793. 10-4 Saturday, Noon to 4 Sunday. National Historical Landmark.

Take I-75 to Exit 53 A/B (Third Street). Take Third Street west over the river 0.5 mile to Williams Street. Turn left onto Williams Street. Wright Cycle Shop is one short block on the left.

Aullwood Garden

Aullwood Garden is a 32-acre park in nearby in Vandalia which offers the visitor a walk through a lovely area of blooming plants in a wide variety of species and colors to please your senses. Open daily from 8:00 a.m. to 7:00 p.m., the Gardens are located at 900 Aullwood Road which is close to the Englewood Reserve.

North of Dayton near Englewood Reserve. Take I-70 to Exit 29 (SR 48).

Take SR 48 north to US 40. Turn right onto US 40 and cross the dam. Park in the Englewood Reserve parking lot at the east end of the dam. Be careful crossing the road and walk 200 yards down Aullwood Road, past Aullwood Audubon Society, to Aullwood Gardens.

Carriage Hill

The Park District's Carriage Hill Farm is a living historical farm recreating the lifestyle of a conservative farming family of the 1880's. Watch the draft teams and farm hands prepare the fields for planting. The sulky plow, disk and spring-tooth harrow turn and smooth the soil just as they did a century ago.

Many craft items are for sale in the Country Store so you can take home a memory of the day you touched the past. Watch the blacksmith do his craft, go on a hayride (50¢ per person), take a stroll through the lovely grounds, and be sure to see the exhibit at the Visitors Center. Spend a relaxing day at Carriage Hill Farm from 1:00 p.m. to 5:00 p.m. Saturday and Sunday, and from 10:00 a.m. to 5:00 p.m. weekdays. A donation would be greatly appreciated.

North of Dayton and I-70. 7860 Shull Road.
879-0461

Take I-70 to Exit 38 (SR 201). Take SR 201 north 0.5 mile to Shull Road. Turn right onto Shull Road and follow the signs.

CARILLON HISTORICAL PARK
DAYTON, OHIO

Ohio Folk Festival/Carillon Historical Park

The Ohio Folk Festival, May 18 & 19, is a celebration of life 200 years ago in the Miami Valley. Reenactors will transform Carillon Park into a landing site and frontier village with folk artisans, musicians, militia, Native Americans, food purveyors, traders, crafters, longhunters, etc., as well as participants demonstrating skills from tinsmithing and bowmaking to storytelling. In addition to the Folk festival, the Carillon Historical Park will also be open.The Carillon Historical Park houses a unique collection of historical buildings and exhibits which tell the story of the development of Dayton and the Miami Valley. Among the most noteworthy in this collection are Wilbur and Orville Wright's first practical airplane, antique Dayton-made automobiles including a 1912 Cadillac first equipped with Charles F. Kettering's self-starter, a replica of the Wright Bicycle Shop, a Barney and Smith wooden railroad car, a functioning 1930 letter press Print Shop, a section of the Miami/Erie Canal, and Dayton's first log building. Visit on Saturday from 10 a.m. to 8 p.m. or Sunday from 10 a.m. to 6 p.m. A nominal fee of $5.00 for adults, $1.50 for persons 7 to 12 years, Seniors $4.00 and children 6 and under, Free. Profits go to support the Junior Group of Goodwill Industries.

Just south of downtown Dayton. 2001 S. Patterson Blvd.
293-2841.

Take I-75 to Exit 51 (Edwin C. Moses Blvd). Take Edwin C. Moses Blvd. east 0.9 mile to Stewart Street. Turn right onto Stewart Street and cross the bridge. Turn right at end of the bridge onto Patterson Blvd. Carillon Park is 0.6 mile on the right.

Dayton Museum of Natural History

The $4 million structure boasts many new attractions including a hands-on learning center for grade school through junior high, RoboBugs, a giant animated insect collection, a physical science "Doing the Wave" display on wave phenomena, which includes demonstrations on light, objects, sounds, and radio waves, a display of photo images on the country and people of Mongolia, Bio-Ohio, Wild Ohio Zoo, a learning center for pre-schoolers, a computerized Digistar Planetarium which creates spectacular three dimensional effects, and a special exhibit which includes an audiovisual presentation in the Sun Room. Visit on Friday from 9 a.m. to 9 p.m., Saturday from 9 a.m. to 5 p.m., and Sunday from 12 Noon to 5 p.m. A nominal fee of $4.00 for adults, $1.50 for persons 3 - 16 years of age and $2.50 for Seniors 60 years plus is charged. The planetarium is an additional $1.00 per person. Children 2 and under are admitted free.

Just north of downtown Dayton. 2600 DeWeese Parkway
275-7431

Take I-75 to Exit 58 (Needmore Road). Take Needmore Road 1.5 miles west to Riverside Drive. Turn left onto Riverside Drive and go 1.3 miles to Siebenthaler Avenue. Turn left onto Siebenthaler and cross the river. Immediately turn right onto DeWeese Parkway. The museum is 0.6 mile on the left.

The Dayton Art Institute will be closed for renovations until 1997

Actual size: 6 3/4" x 2 3/4" x 1 1/4"

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Yellow Springs, Ohio

Yellow Springs is a totally unique ultra liberal town that is worth the visit. The small shops sell everything from herbs and spices to African drums, and custom made jewelry and lamps. For the serious shopper, Yellow Springs probably packs more variety per square foot than any other place in Ohio.

Take I-70 east to Exit 52A (SR 68) Take SR 68 south 7 miles to Yellow Springs.

Glen Helen is a 1000 acre nature preserve, on Antioch Campus, where you can enjoy a nature lodge, beautiful wildlife, vegetation and rock formations, as well as beautiful hiking trails and a swinging bridge.

Take I-70 east to Exit 52A (SR 68). Take SR 68 south 7 miles to the first stoplight in Yellow Springs. Turn left and look for Glen Helen 2 1/2 blocks on the left.

Clifton Mill is a restored operating grist mill, Tours are available.

Take I-70 east to Exit 54 (SR 72). Take SR 72 south 6 miles to Clifton. Look for signs to Clifton Mill.

Ye Old Tavern was originally a stagecoach stop dating from 1800's and is now a restored operating tavern.

Take I-70 east to Exit 52A (SR 68) Take SR 68 south 7 miles to Yellow Springs.

Young's Jersey Dairy serves delicious home made ice cream and super stacked sandwiches. Take some time to play a round of golf on the Udders & Putters Golf Course, take a ride through the farm grounds in a tractor-drawn buggy, and visit the barn to see the compatibility between dairy cows and modern day technology.

Pack a picnic and enjoy the day at nearby John Bryan State Park

Olympic Volleyball

United States Men's Team vs. Yugoslavia Men's Team

The University of Dayton Arena will be the location of this sporting event on Friday, May 17 at 7:30 p.m. A limited number of courtside seats will be available for $18.00, while other seating is available at $12.00 and $8.00. For ticket information call the University of Dayton Box Office at 229-4433.

From I-75, take Exit 51, which will take you directly to the Arena on Edwin C. Moses Boulevard

Sunwatch

Twelfth Century Indian Village

800 years ago they waited and watched for the sun to rise behind the sacred pole and cast the long shadow. Only then would the time be right. Research over a period of 17 years has uncovered an amazing array of artifacts depicting the social life of the 12th century. Discover through Planting Harvest Weekend (May 18 & 19) how Fort Ancient Indians planted and harvested their crops. Find out how the 800 year old lodges were reconstructed from archaeological evidence and visit the interior of a reconstructed lodge. A nominal admission fee of $4.00 for Adults, $3.00 for Seniors, and $3.00 for children ages 6 to 17 is charged. Under 6 are admitted Free.

Near downtown Dayton west of I-75. 2301 West River Road. 268-8199. 9-5 Tuesday - Saturday. Noon - 5:00 p.m. Sunday.

Take I-75 to Exit 51 (Edwin C. Moses Blvd.). Take Edwin C. Moses Blvd/Nicholas Road west 1.3 miles to West River Road. Turn left onto West River Road. Sunwatch is 1.0 mile on the right.

Old Tippecanoe City Restoration Area

Whether you have an hour or a day, an interest in art, antiques and collectibles, or just enjoy shopping, Historic Tipp City is a must! This 1840's Miami-Erie Canal town offers hours of pleasure browsing the selections of over 50 antique dealers, 15 or more speciality shops in the renovated 1850's Old City Hotel, historical museum, art galleries and exhibits, and excellent dining opportunities. You might want to stop first at the TIPPECANOE AND TYLER TOO! VISITORS CENTER at 12 E. Main Street where friendly folks will provide you with information on this town formerly called "Tippecanoe". As you browse the specialty shops in the Hotel Gallery, you'll be amazed at the size of the rooms compared to your current lodgings - no king-sized beds could fit in these cozy spaces! You can revel in history as you sip coffee and join in the merriment at the Potter's House Cafe.

You'll also discover handcrafted reproductions, an old canal lock at Tipp Roller Mills, many other shops offering everything from pipes and a blending bar to over 50,000 gently used books. Historic Tipp City invites you to poke, prod and seek out the many interesting aspects of this unique community.

Take Northbound I-75 to Exit 68 (SR 571) at Tipp City. Turn onto SR 571 and go 1.0 mile east to the shops of Old Tippecanoe City.

All-Star Basketball Game with NFL Players

A Youth Helping Youth All-Star Basketball Game will be held at Wright State University's Ervin J. Nutter Center on Saturday, May 18 at 7:00 p.m. The teams will be comprised of NFL players which will include Marco Coleman (San Diego Chargers), Randy Fuller (Pittsburgh Steelers), Morris (Mo) Lewis (New York Jets), Bob Whitfield and Chuck Smith (Atlanta Falcons), Chris Singleton, Terry Kirby and Dwight Hollier (Miami Dolphins), Corey Harris (Seattle Seahawks), Troy Vincent (Philadelpha Eagles), Willie Clay (Detroit Lions) and Bryan Cox (Chicago Bears). The opposing team will consist of volunteers from local area high school basketball teams. During halftime, spectators will have the opportunity of meeting the players and getting their autographs. Tickets may be purchased from the Greene County Parks Office at a cost of $12.50 for adults and $8.50 for students in grades K-12. For more information, call the Parks Office at 427-2883, ext. 7440 or 376-7440.

From west of Dayton, take 35E to I-675 North to Fairfield Road (Exit 17). Make a left and continue about 1/4 mile directly to entrance of Ervin J. Nutter Center at intersection of North Fairfield Road and Col. Glenn Highway.

From east of Dayton, take 35W to I-675 North.

From north of Dayton, take I-75 south to I-70 east to I-675 south. Go south to N. Fairfield Rd (Exit 17), turn right, continue about 1/4 mile directly to entrance of Ervin J. Nutter Center at intersection of North Fairfield Road and Col. Glenn Highway.

From south of Dayton, take I-75 north to I-70 west to I-675 north.

The Citizens Motorcar Company

Featuring restored and original Packards, this 1930's art deco showroom is a visit you'll never forget! For dedicated car enthusiasts, you'll be surrounded by Packards which have been shined to perfection and proudly displayed. Take a stroll through a restored service area which contains original parts and accessories.

The Packard Museum hours of operation are Friday, Noon until 5:00 p.m. and on Saturday and Sunday from 1:00 p.m. until 5:00 p.m. Admission is $3.00 Seniors/Students $1.50.

Phone (513) 226-1917.

420 South Ludlow Street, Dayton, Ohio

Cox Arboretum

Located on 164 acres, with 85 of those acres being cultivated and offering many trails in natural woods for the hiking enthusiasts. Stroll through a landscaped shrub garden to see demonstrations on plantings of nuts, fruits, herbs and vegetables. You will also find a large array of bulbs in bloom, two large ponds where the ducks are eager to munch on bread cubes, and a Visitor's Center offering a display on horticulture, as well as a gift shop. The grounds are available to you from 8:00 a.m. until dusk, while the Visitors Center is open Friday 10:00 a.m. to 4:00 p.m., and on Sunday from 1:00 p.m. to 4:00 p.m.

South of Dayton near the Dayton Mall. 6733 Springboro Pike (SR 741). 434-9005

Take I-75 to Exit 44 (SR 725). Take SR 725 east 0.3 mile to SR 741 (Springboro Pike). Turn left onto SR 741. Cox Arboretum is 1 mile on the left.

Oregon Historic District

Once slated for the wrecking ball, this unique settlement of Dayton's oldest neighborhood began in 1829, coinciding with the opening of the Miami-Erie Canal and is now a haven of specialty shops, bookstores, record and music shops, as well as a unique blend of dining establishments. Located a block from the Convention Center, the intricate architectural details of another century are a charming setting for a relaxing stroll along cobblestone streets where you may wish to sip coffee at an outdoor cafe. Eyecatching details adorn the eight square block neighborhood, with its Victorian porches and limestone walks. The historic character of the business district gives it a unique tone with period signs that spotlight the diverse enterprises. This vital compact area is bounded by a developing business section that by day offers an urban mix of commercial businesses, and by night is transformed into a lively entertainment center.

For more information, call the Oregon Business Association at 228-2880.

"While You're Here" is continued on page 35.

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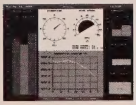

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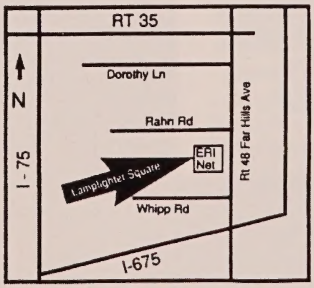

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EDSP RX/TX

All-Mode HF Transceiver FT-1000MP

The year was 1956. Electronic communication throughout the world was on the threshold of significant and remarkable change. Intrigued by the development of single-sideband radio theory, a young engineer and amateur radio experimenter painstakingly assembled an SSB transmitter. Word of his successful efforts spread quickly among his friends, and soon radio amateurs from all over the country were requesting transmitters just like it. Thus was born the first invention of JA1MP, founder of Yaesu. Though his key is now silent, in tribute to his leadership and exceptional contributions to the radio art, the FT-1000MP carries the memory of his call sign.

An HF Masterpiece, Combining the Best of Digital and RF design technology. The FT-1000MP.

Specifications

- EDSP (Enhanced Digital Signal Processing)
- Shuttle-jog Rapid Tuning Enhancement
- Directional Tuning Scale for CW/Digital mode and clarifier offset display
- Dual In-Band Receive w/ Separate S-Meters
- Selectable Antenna Jacks
- Collins SSB Mechanical Filter built-in, 500 Hz CW Collins filter plug-in, optional
- Selectable Cascaded Crystal and Mechanical IF Filtering (2nd and 3rd IF Filters)
- User-programmable Tuning Steps w/0.625 Hz High Resolution Low-Noise DDS Circuit
- Custom Feature Set-up via New Menu System
- Adjustable TX Output Power: 5-100W (5-25W AM)
- True Base Station: Both 100-117 or 200-234± VAC 10%, 50/60 Hz and 13.5 VDC Power Inputs

Blending digital and RF technology, the FT-1000MP features a Yaesu exclusive: Enhanced Digital Signal Processing (EDSP). Beginning on the receive side with Yaesu's industry-standard high-intercept front end design, the RF signal is then fed to the IF stages, where an impressive array of 8.2 MHz and 455 kHz IF filters (including a built-in Collins SSB Mechanical Filter) establish the tight shape factor so important in obtaining high dynamic range and low noise figure. Finally, the EDSP system provides specially-designed filter selections and response contours for maximum intelligence recovery.

Only with this combination of EDSP, independently selectable 8.2 MHz and 455 kHz IF filters, and a low-noise DDS local oscillator system can receiver performance without compromise be obtained. You can customize your FT-1000MP by choosing from 2.0 kHz, 500 Hz, and 250 Hz optional, cascaded IF filters, then zero in on weak signals using Yaesu's exclusive Shuttle-jog Rapid Tuning Enhancement and high-resolution (0.625 Hz) DDS VFO. Without question, the FT-1000MP is the most technologically advanced HF rig today.

EDSP operates in both transmit *and* receive modes. On receive, the EDSP produces enhanced signal-to-noise ratio and significantly improved intelligence recovery during difficult situations involving noise and/or interference. The result of hundreds of hours of laboratory and real-world experimentation, EDSP's 4 preset random noise reduction protocols and 4 digital filtering selections are controlled by easy-to-use concentric controls on the front panel of the transceiver. High, low, and mid-range cuts for voice work are teamed with razor-sharp CW bandpass filters and an automatic notch filter which identifies and attenuates undesired carriers or heterodynes. Also operational in the transmit mode, EDSP provides 4 performance-enhancement pattern selections for different operating circumstances, ensuring best readability of *your* signal on the other end of the path.

Once again, Yaesu's engineers have reaffirmed the vision and dedication of JA1MP which began nearly 40 years ago. See the incomparable FT-1000MP today.

FT-1000/D
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All Mode HF Transceiver
"The Dream Station"

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Specifications subject to change without notice. Specifications guaranteed only within amateur bands. Some accessories and/or options are standard in certain areas. Check with your local Yaesu dealer for specific details. Collins is a trademark of Rockwell International Corporation

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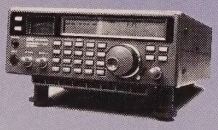

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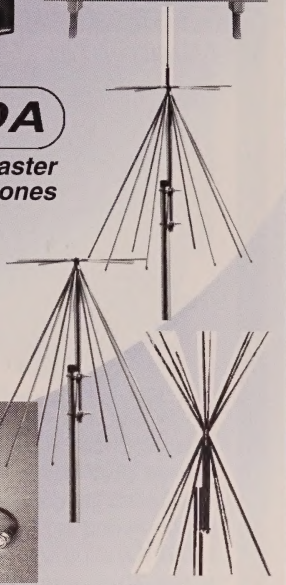

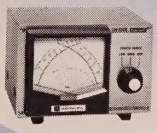

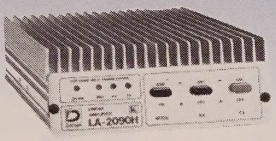

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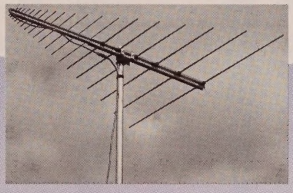

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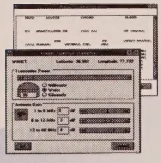

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MAJOR PRIZES

The Dayton Hamvention is proud to present an outstanding array of prizes for 1996, representing approximately 250 exhibitors and other donors.

Prizes will be awarded hourly from 1:00 p.m. Friday to noon Sunday.

Additional Bonus prizes will be awarded bi-hourly from 1:00 Friday to 11:00 a.m. Sunday. Please check the monitors located throughout the arena complex for winning ticket numbers.

All prizes not claimed by 1:00 p.m. Sunday will be redrawn at 2:00 p.m. You MUST be present in the Main Arena during this drawing to win.

The drawing for the Main Prizes will begin at approximately 3:00 p.m. Sunday. You do not have to be present to win. Prizes not claimed during this drawing will be shipped to the winner at no charge.

- ☐ **Yaesu** FT1000 HF Transceiver with FL7000 Linear Amplifier, SP-5 External Speaker and MD-1c8 Mic. Yaesu's "Dream Station"
- ☐ **ICOM** IC 775 DSP ICOM's new DSP technology brings unsurpassed signal quality. 200 watts power, 99 memory channels with SP20 Speaker and SM-8 Mic.
- ☐ **Yaesu** FT736R 2m/70cm All Mode Transceiver with SP-767 External Speaker and MD-1C8 Desk Mic.
- ☐ **ICOM** IC 820H Dual-Band All Mode Transceiver. With SM-8 Mic, SP-21 Speaker and PS-55 Power Supply.
- ☐ **Japan Radio Co.** JST-145 HF Transceiver All Mode with Auto Antenna Tuner, 200 Memories and Built-in Computer Interface.
- ☐ **ICOM** All New IC-736 HF- 6 Meter 100 Watt All mode Transceiver with SP-21 Speaker and SM-8 Desk Mic.
- ☐ **Mosley** PRO-67-C-3 10-12-15-17-20-40 Meter, 9 Element Beam. Everything a "HAM" could ask for.
- ☐ **ICOM** IC738 HF All Band General Coverage Transceiver, with SP-21 External Speaker, PS-55 Power Supply and SM-8 Desk Mic
- ☐ **Yaesu** FT-900 CAT Compact HF Transceiver. Remote front panel design. 100 Memory channels, 100 watts power with SP800 power supply and speaker.
- ☐ **Hewlett Packard** HP 54603B Two-Channel 60 MHz Oscilloscope includes two 1.5m 10x probes (HP 10074A) operating and service manual, and line cord.

Special Banquet Prizes

A wide assortment of prizes will be given away at the 1996 Hamvention Banquet.
Winners must be present at the banquet to claim the prize.

ICOM America ■ IC-706 HF-2M-6M Mobile Transceiver

P.W. Publishing ■ Lifetime Subscription to Practical Wireless Magazine

Yaesu U.S.A. ■ FT 840 HF Transceiver with FP800 P/S Speaker

Alinco ■ DX-70T plus 6M Transceiver

Mosley Electronics ■ TA-53M 10-20m Beam

Advantage Instruments ■ GPA2000 2000MHz Analyzer

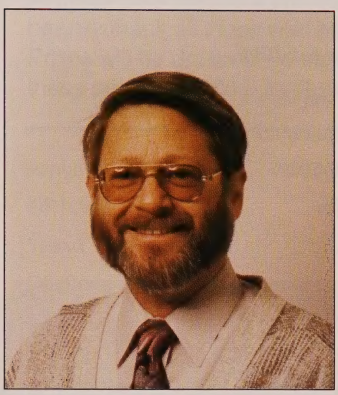
Yaesu U.S.A. ■ FT-690R/LL All Mode Transceiver

Yaesu U.S.A. ■ FT-790R/2 UHF All Mode Transceiver

Mosley Electronics ■ CL203 Classic-20m Beam

Telex Communications ■ TH7DX 7 Element Beam Antenna

BANQUET

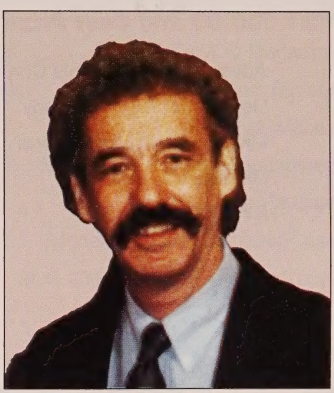


Dr. Paul Shuch, N6TX

***We are extremely pleased to have as our Banquet speaker,* Dr. Paul Shuch, N6TX.**

The Hamvention Banquet will be held at the Convention Center (a no smoking facility) in downtown Dayton. Our speaker will be Dr. H. Paul Shuch, N6TX. Paul holds a Ph.D. in Engineering from the University of California, Berkeley, and has taught Electronics and Aeronautics for more than twenty years. He is presently a Professor of Electronics at the Pennsylvania College of Technology. An extra-class ham first licensed in 1961, Paul has operated on nineteen different ham bands between 1.8 MHz and 24 GHz. He now turns his microwave expertise toward the search for intelligent life in space and serves as Executive Director of the SETI League Inc., a non profit group set up to support the search for extra-terrestrial intelligence. Paul says, "Any professional success I might have enjoyed is due in no small part to my early involvement in Amateur Radio." Paul is also a poet, songwriter and guitarist, and can be expected to surprise us with some new songs at the Hamvention banquet.

***Master of Ceremonies for the 1996 Hamvention Banquet is* Dale Huffman**, a newspaper columnist, radio and television talk show host and media personality. Dale has interviewed George Burns, Carol Burnette, Sophia Loren, and Walter Cronkite. He has met five American presidents and has been a guest at The White House on a number of occasions. Former President George Bush designated him as our nation's One Thousand and First Point of Light. Dale is host of the "Dale in Dayton" talk show on radio and hosts "The Golden Years of Television" series on WRGT-TV. He is also the moderator for a weekly cable television talk show for the city of Dayton titled "Talk to City Hall". Dale has over 300 awards to his credit, for his writing abilities and his volunteer community involvement. From Miami Valley schools, Dale has gathered 100 students who he is following from 1st through 12th grade, with graduation in the Year 2000. He serves as an honorary board member for over 20 area charity organizations. He is the official Ambassador of Goodwill for Montgomery County, Ohio, and for his hometown of Miamisburg, where he lives with his mother, Kay Huffman.



Dale Huffman

The Hamvention Banquet will be held at the Dayton Convention Center on Saturday evening with doors opening at 6:00 p.m. Cash bars will also be available. Dinner will be served beginning at 7:30. The Hal Harris Orchestra will provide background music for the evening. Bus service will be provided from the KOA campground and the Miami Valley Technology Center only.

Banquet Menu

Spring Salad
Petite Filet Maitre'D and Chicken Marinara
Franconia Potatoes Sugar Peas
Warm Rolls and Butter
Strawberry Cream Cake Chocolate Nut Cake
Coffee & Decaf - Hot Tea - Milk - Iced Tea
Carafes of wine available at C.O.D. Bar

MAJOR PRIZE DONORS

Top Ten Prize Donors

We would like to extend a special thanks to our Top Ten Prize Donors for 1996.

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10. Japan Radio Co.

We greatly appreciate their extraordinary participation and support of the 1996 Dayton Hamvention.

Be sure to stop by their booths and say "Thanks".

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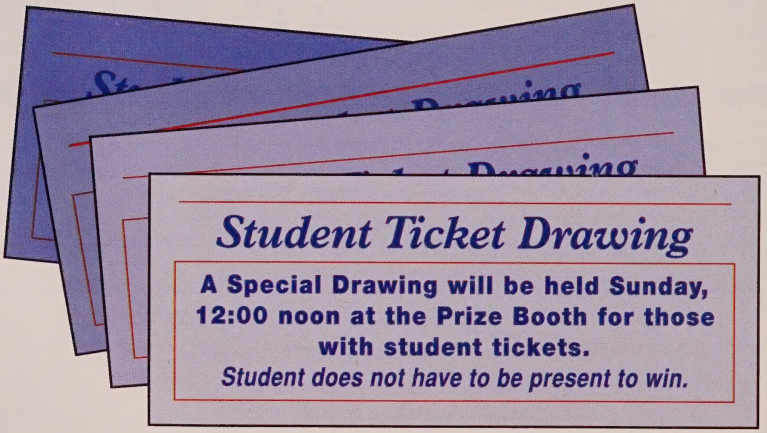
Student Ticket Drawing
A Special Drawing will be held Sunday, 12:00 noon at the Prize Booth for those with student tickets.
Student does not have to be present to win.

BONUS HOURLY PRIZES

At press time, we have commitments for over $120,000 in prize donations! We heartily thank all those who have donated prizes this year. The following Bonus Prizes will be drawn bi-hourly beginning at 1:00 p.m. Friday. You must claim these prizes by 1:00 p.m. Sunday.

Alinco .....DR-610T Dual Band Mobile
OPTOelectronics .....Model CUB Mini-Counter
Yaesu .....FT-411 HT
CQ Communications .....CQ Polo Shirt
ICOM .....IC-3250H Dual Band Mobile
Standard Amateur Radio Products .....C108A 2m HT
Mosley .....RV4-C Vertical HF Ant
Yaesu .....FT-411 HT
EDCO .....DP-830 Digital SWR/Wattmeter
Azden .....PCS-7000M 2m Mobile Transciever
Yaesu .....FT-50/R 2m/70cm Dual Band HT
Startek Int'l .....35-BG Frequency Counter
Hustler, Inc. .....G6-440D Antenna
Comet Antenna .....GP-9 2m/70cm Vert Ant.
Svetlana Electron .....Pair 572B Tubes
Radio Shack .....HTX-202 HT
Yaesu .....FT-840 HF Transceiver
Alinco .....DJ-G5TY Dual Band HT
R & L Electronics .....Yaesu FT-811 2m HT
ICOM .....C-T22A 2m HT
Standard Amateur Radio Products .....C188A 2m HT
Yaesu .....FT-5200 2m/70cm Dual Band Transceiver
Mosley .....MY144-5 2m Beam
CQ Communications .....Subscription/CQ Magazine
Kenwood .....TM-241A 2m Mobile
Midland .....#73-005 VHF 2m HT
Alinco .....DJ-G1T 2m HT
OPTOelectronics .....Model R-20 Interceptor Freq. Counter
Mosley .....MY-144-9 UHF/VHF Beam
CQ Communications .....CQ Backpack
National Tower .....BX-32 Tower Assy
OPTOelectronics .... Model 3000A Frequency Counter
Peet Bros. Co,Inc. .....Model 500 Ultimeter
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CQ Communications .....Subscription/CQ Magazine
Quantum Instruments .....Quantum Ham Battery
Radio Shack .....HTX-242 Mobile
Crazy Bob's .....CD-ROM Drive Kit W/Soundcard
Radio Shack .....MIC/VOX Headset
Coaxial Dynamics ....Model 81000-A Wattmeter/Case
SCG, Inc. .....SCG-230 Controlled Antenna Tuner
Svetlana Electron .....Pair 4CX400 Tubes
ICOM .....IC-2000H 2m Mobile
Coaxial Dynamics ....Model 81000-A Wattmeter/Case
Universal Radio .....Grundig YB400-SW Radio
Valor Enterprizes .....VC300M Antenna Tuner
Kenwood .....TH-22A HT
Vibroplex Co. Inc. .....CW Key
Yaesu .....FT 3000M VHF Transceiver
ICOM .....IC-Z1A 2m HT
Yaesu .....FT 8500/FS-10M Dual Band Transceiver
EDCO .....Emoto Heavy Duty Rotor
Yaesu .....FT-416 HT

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WHILE YOU'RE HERE continued

Continued from page 24.

Van Atta Festival

This popular festival, now in its 11th year, features country music from the areas top bands such as "Cotton", "Rivers Edge", Calhouns Crew" and "Bashore Hartman & Barton".

In addition to the country music, the festival provides clowns, magicians, carnival rides, food, all kinds of refreshments and other family entertainment. A fishing derby and 5K run are also spotlighted.

Festival times are Friday 6:00 p.m. to 11:00 p.m., Saturday 11:00 a.m. to 11:00 p.m. and Sunday 11:00 a.m. to 8:00 p.m. Admission is free, but a $4.00 parking fee will be charged.

Needmore Road (Wright Brothers Parkway) to North Dixie (1/4 mile west of I-75). Turn north and go 1 mile to Beechwood then turn left. Look for our banner on Dixie

International Women's Air & Space Museum

Woman's place in aviation started long before the so-called "women's movement" of recent years. In fact, did you know that Napoleon appointed a woman, Madame Blanchard, as his Chief Air Minister of ballooning in 1804. Katharine Wright, although not a pilot herself, was a very powerful force in the encouragement of the Wright Brothers' advancement in aviation. Over 15 years ago the idea of preserving the history of women in aviation was a dream. Since then memorabilia and historical artifacts have been collected, preserved and stored, making this initial dream a reality today. The museum is open to the public from 10:00 a.m. to 4:00 p.m. on Saturday.

South of Dayton and east of the Dayton Mall. 26 North Main Street, Centerville.
433-6766

Take I-75 to Exit 43 (I-675) . Take I-675 to Exit 4 (SR 48). Take SR 48 south 1.0 mile to the museum on the northeast corner of the intersection of SR 48 (Main Street) and SR 725 (Franklin Street).

Long the tradition April was our Hamvention date, with thousands eagerly waiting at the entrance gate
But now things have changed to a different day, we're moved to a new month which is called May.

From many miles away, people call to inquire, they send us a letter, or even a telegram wire
They want an answer, urging us to please respond, they might be stateside, or across the big pond.

How do I find you, in the Dayton traffic mess?, without a map, I'll just have to guess
I don't have a ticket; will entrance I gain?, or be stranded at the door - oh, what a pain!!

They journey to Dayton, from east and west, to find a bargain; they want the best
Discriminating amateurs want to follow the leader, when purchasing a scanner, or a new SWR Meter.

People are waking and stirring about anew, they rise with the mist and early morning dew
Early morning Flea Market is a world of its own, a new day beginning, as the sun brightly shone.

The mid-morning crowd is now at the gate, they're anxious to get in, so don't hesitate
To view the exhibits located around the floor, they want to see what's "new at the candy store".

Every rep imaginable has reserved his space, to show his products at this busy place
Forums are offered all through the day, and attendees are gathered to see what they say.

While strolling through the Flea Market one never knows, what assorted aromas will tickle your nose
Hamburgers on numerous charcoal grills are sizzling, they're hot and tasty, with juices drizzling.

A map of the area you'll receive on arriving, with a shuttle bus to relieve your driving
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— Judy Hudson, KB8UZC

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For further information contact YLRL Membership Chairman
Phyllis Douglas, K7SEC — (520) 298-6450
701 N. Camino Del Cordorniz, Tucson, AZ 85748
or YLRL President
Marti Brutcher, N6XDS — (503) 590-YLRL

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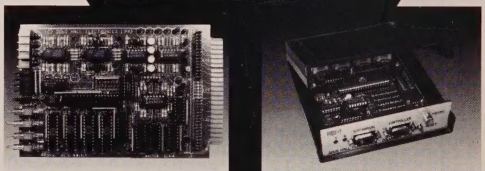

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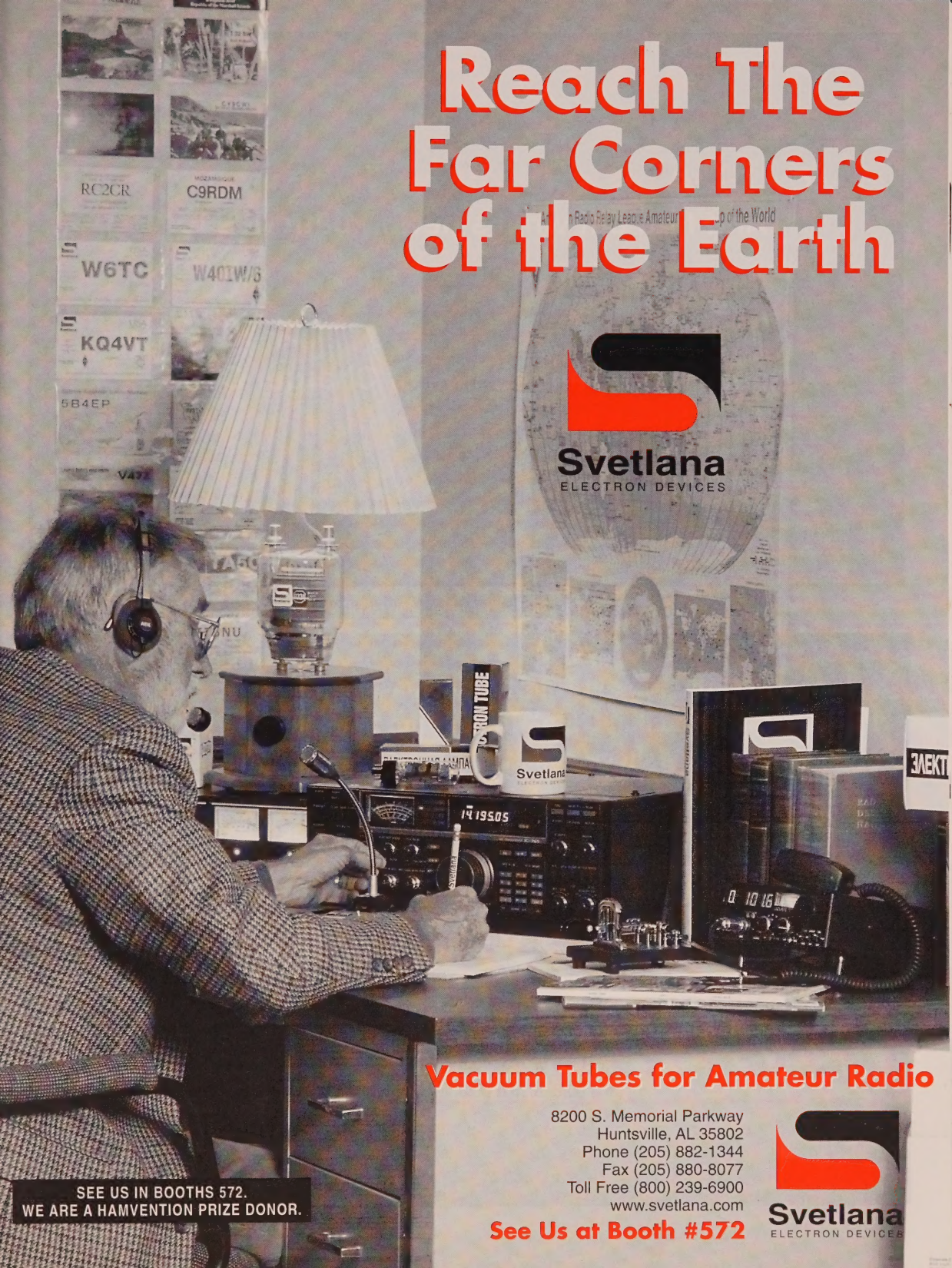
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FLEA MARKET INFORMATION

Flea Market spaces are NOT selected on a first come, first served basis. The selection is based on an equitable allocation of available spaces.

Flea Market spaces obtained for the purpose of parking individual vehicles does not comply with the intent of the Hamvention Flea Market operation. Such vehicles may be removed by the Hamvention Committee.

Operating Guidelines

1. Vending or trading is not permitted outside of the operating hours.
2. The standard Flea Market space is approximately 9' x 18' and no vehicle or set-up may exceed the designated marked area.
3. HAMVENTION Flea Market spaces are for the express purpose of selling or trading amateur radio, electronic or related equipment and supplies. Flea Market spaces which are not being used for selling or trading may be reclaimed by HAMVENTION Flea Market personnel and reassigned.
4. Security personnel will be in the area. However, HAMVENTION can not be responsible for the security of individual property.
5. Vehicular traffic in the Flea Market will be severely curtailed during operating hours. Vehicular access to your spaces during operating hours will be by permission of HAMVENTION Flea Market personnel, and may be prohibited during busy times. We **strongly** recommend that you arrive early enough to set-up before operating hours.
6. Bicycles, skateboards, mopeds, roller blades, non-HAMVENTION golf carts or other similar forms of transportation are not permitted in the Flea Market area. Any exception to this policy must be authorized by the HAMVENTION Flea Market Committee.
7. Food and beverage sales by other than Hara Arena are not permitted on the premises.
8. **No** open flames, propane tanks, or any other potential fire hazards will be permitted in the Flea Market area.
9. **No** paging in the Flea Market due to zoning restrictions.
10. **No** firearms or weapons are permitted on the premises for sale or any other purpose.
11. FLEA MARKET SPACES ARE NOT TRANSFERABLE !!! Illegal trading of spaces may result in your removal. Any exceptions to this policy must be approved by the HAMVENTION Flea Market Committee, in advance.
12. A special general admission ticket issued by the Flea Market Committee is required for admission to set-up.
13. The use of portable generators in the Flea Market is strongly discouraged. Any conflict which develops over noise or fumes will be resolved in favor of the individuals being disturbed by the generator.
14. Vehicles other than small utility trailers are not permitted inside the reserved Flea Market tent area.
15. Any violation of HAMVENTION rules can be used by HAMVENTION Flea Market personnel to justify the removal of any vendor.
16. All Flea Market vendors must be clear of the premises by 10:00 p.m. Sunday.
17. If excessive trash is left, or damage to the blacktop, (as determined by Hara Arena), the vendor may be assessed an additional charge.

Selling Hours

Friday:	8:00 a.m. to 6:00 p.m.
Saturday:	6:00 a.m. to 5:00 p.m.
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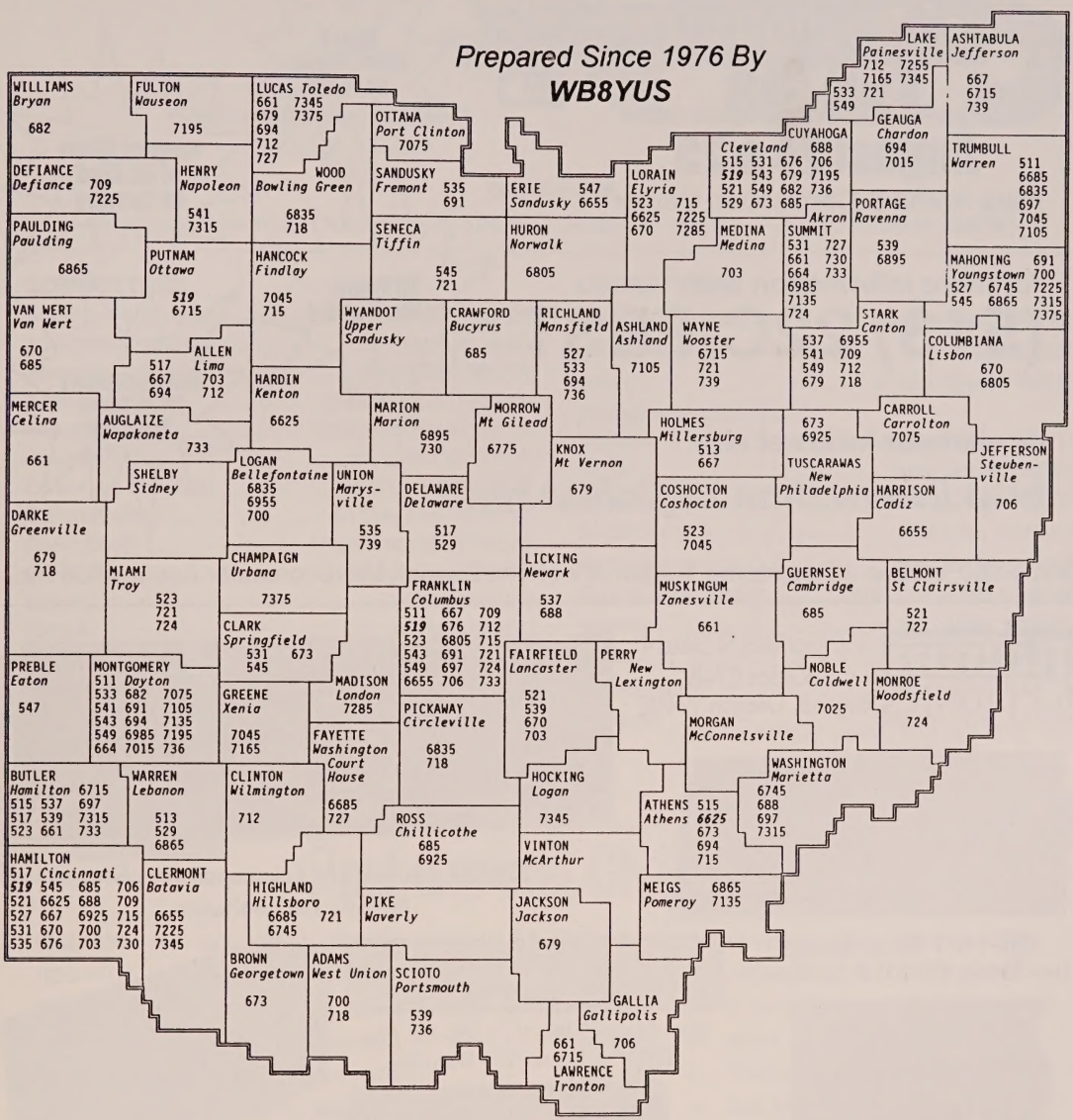
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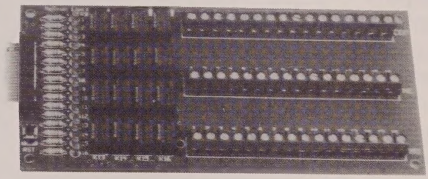

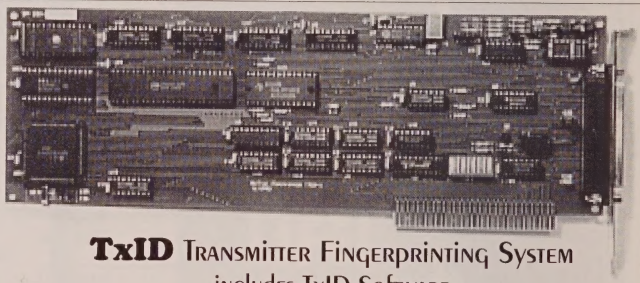

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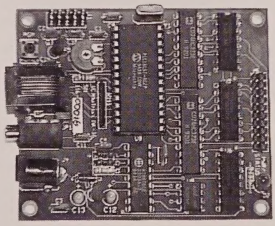

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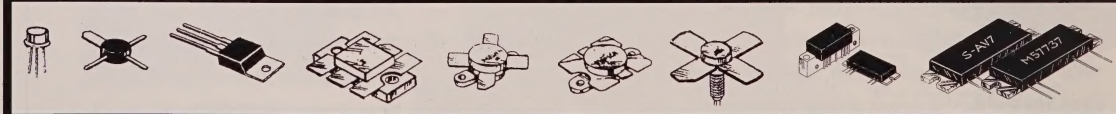

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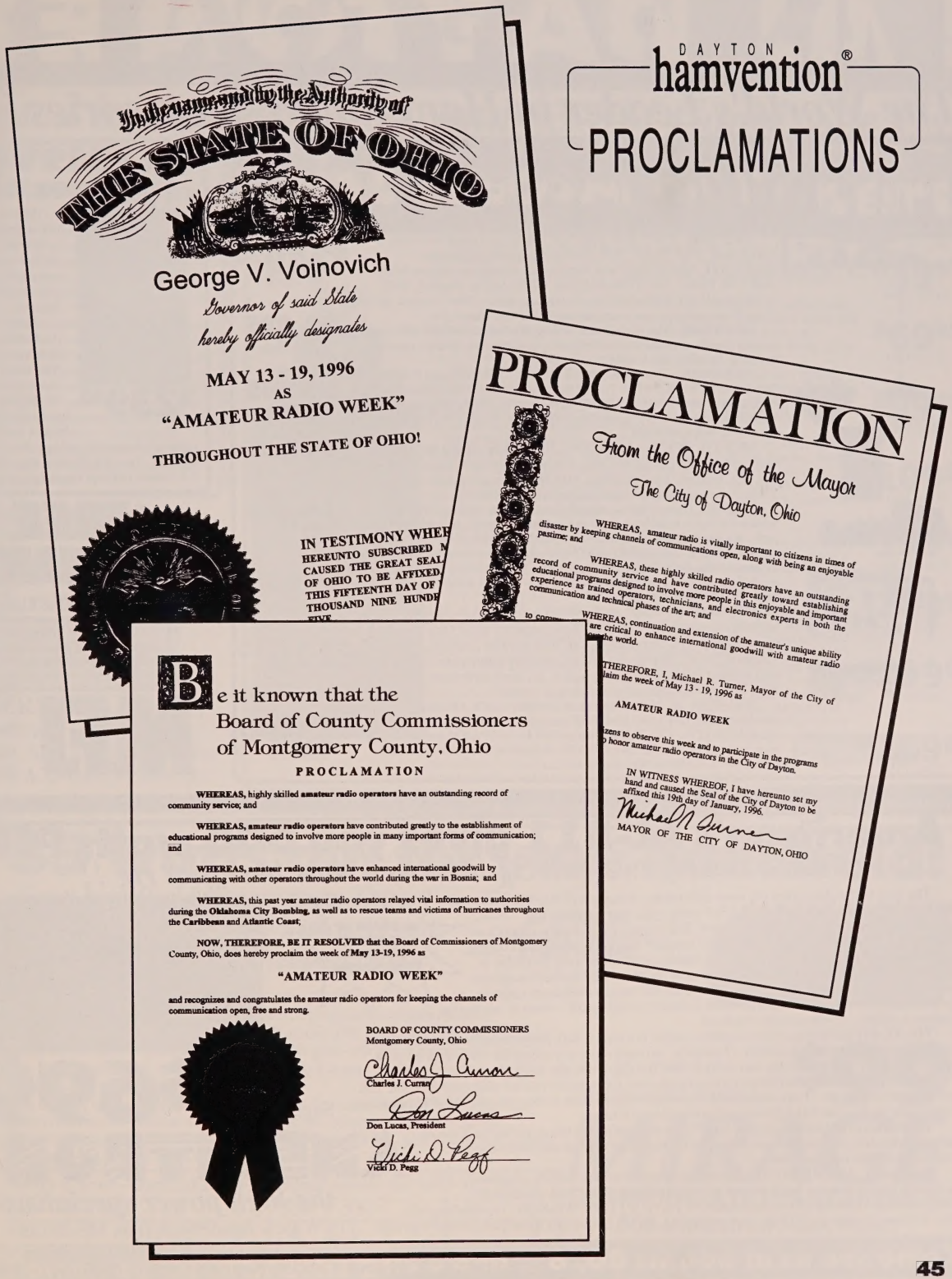

In the name and by the Authority of
THE STATE OF OHIO

George V. Voinovich
Governor of said State
hereby officially designates

MAY 13 - 19, 1996
AS
"AMATEUR RADIO WEEK"

THROUGHOUT THE STATE OF OHIO!

IN TESTIMONY WHER
HEREUNTO SUBSCRIBED M
CAUSED THE GREAT SEAL
OF OHIO TO BE AFFIXED,
THIS FIFTEENTH DAY OF
THOUSAND NINE HUNDR
FIVE

PROCLAMATION

From the Office of the Mayor
The City of Dayton, Ohio

WHEREAS, amateur radio is vitally important to citizens in times of disaster by keeping channels of communications open, along with being an enjoyable pastime; and

WHEREAS, these highly skilled radio operators have an outstanding record of community service and have contributed greatly toward establishing educational programs designed to involve more people in this enjoyable and important experience as trained operators, technicians, and electronics experts in both the communication and technical phases of the art; and

WHEREAS, continuation and extension of the amateur's unique ability to com... are critical to enhance international goodwill with amateur radio ...he world.

THEREFORE, I, Michael R. Turner, Mayor of the City of ...laim the week of May 13 - 19, 1996 as

AMATEUR RADIO WEEK

...zens to observe this week and to participate in the programs ...honor amateur radio operators in the City of Dayton.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the City of Dayton to be affixed this 19th day of January, 1996.

Michael R. Turner
MAYOR OF THE CITY OF DAYTON, OHIO

Be it known that the
Board of County Commissioners
of Montgomery County, Ohio

PROCLAMATION

WHEREAS, highly skilled **amateur radio operators** have an outstanding record of community service; and

WHEREAS, amateur radio operators have contributed greatly to the establishment of educational programs designed to involve more people in many important forms of communication; and

WHEREAS, amateur radio operators have enhanced international goodwill by communicating with other operators throughout the world during the war in Bosnia; and

WHEREAS, this past year amateur radio operators relayed vital information to authorities during the **Oklahoma City Bombing,** as well as to rescue teams and victims of hurricanes throughout the **Caribbean** and **Atlantic Coast;**

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of Montgomery County, Ohio, does hereby proclaim the week of **May 13-19, 1996** as

"AMATEUR RADIO WEEK"

and recognizes and congratulates the amateur radio operators for keeping the channels of communication open, free and strong.

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MFJ DAYTON EXTRAVAGANZA!

The World's Leader in Ham Radio Accessories is Located in Booths 62-64, and 83-85! Come See Us!

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MFJ-1724B. The world's best selling dual band 2M/440 MHz magnet mount mobile antenna is a powerful 3½" magnet base and an attractive (cellular looking) black stainless steel whip. **$14.95** MFJ-1724B

MFJ-1702B. 2-position coax switch has Center Ground Position! It handles 2.5KW PEP, 1KW CW. It has better than 60 dB isolation at 300 MHz; better than 50 dB at 450 MHz. It features automatic grounding of unused positions, heavy cavity type construction, SO-239 connectors plus mounting holes provided... **$21.95** MFJ-1702B

MFJ-411. QST says . . . MFJ-411 "is the ***clear choice*** for beginners." Ours goes from beginner to Extra, 5-60wpm.Beginner, customized practice, Realistic English QSOs, MFJ *Word Recognition Mode*™. Features easy-to-use menu and pocket size travelability... **$79.95** MFJ-411

MFJ-557. Deluxe Morse straight key for code sending practice features a heavy steel base, tone and volume controls, and an earphone jack. It's sleek, black, compact 8½x2¼x3¾". Built-in speaker. **$24.95** MFJ-557

MFJ-812B. The world's most popular and most affordable VHF SWR Wattmeter has built-in field strength meter, covers 2M and 220MHz, and reads forward/reflected power in 2 ranges -- 30/300 watts. Reads SWR from 14-220 MHz. 4½x2¼x3".... **$29.95** MFJ-812B

MFJ-8621. QST says . . . "Fastest transceiver I have seen" . . . "set and forget economical solution." This compact *Packet Only*™ transceiver runs all data rates through 9600 baud on 2 meters. MFJ gives you up to 5 watts output-- the perfect amount to cover your operating area without interrupting distant nodes. It's ready to operate on 145.01 MHz or you can order additional plug-in crystals... **$119.95** MFJ-8621

MFJ-1276. All of the features of the MFJ-1270C (World's most reliable packet TNC) plus PACTOR and a HF precision tuning indicator are in MFJ-1276. PACTOR combines the best of Packet and AMTOR, plus more. You also get an extra 32K of memory for your enhanced Easy Mail personal packet mailbox..... **$159.95** MFJ-1276

MFJ-259 V HF/UHF SWR Antenna Analyzer with resistance meter

$239.95

If you work on antennas, MFJ's revolutionary SWR Analyzer™ with resistance meter is the best investment you will ever make! You've heard the good reports from your fellow hams. There is no other analyzer on the market that competes with the MFJ-259. Our new MFJ frequency counter has improved sensitivity, and the new *SleepMode*™ gives your batteries extra-long life.

Here's what you can do with this adaptable test equipment: 1. Find your antennas true resonant frequency. 2. Tune the antennas on your tower and watch SWR change instantly as you make adjustments. 3. Tune critical HF mobile antennas in seconds--without subjecting your transceiver to high SWR. 4. Measure your antennas 2:1 SWR bandwidth on a single band, or analyze multi-band performance over the entire section from 1.8-170 MHz. 5. Measure inductance, capacitance, resonant frequency of tuned circuits, transmission line, velocity factor/impedance loss. 6. Test RF chokes, transformers, baluns. 7. Adjust your tuner for a perfect 1:1 match without creating QRM. This is only the beginning!

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MFJ Antenna Tuners

MFJ-16010 ***Random*** **Wire Tuner (top photo)** Covers 1.8-30 MHz and handles 200 W PEP. Lets you operate all bands anywhere from apartment, motel, camping, etc., with any transceiver using a random length wire antenna. 2"x3"x4". **$39.95** MFJ-16010

MFJ-901B ***Smallest*** **Versa Tuner** Covers 1.8-30 MHz continuously and handles 200W PEP. Matches coaxial cable, random length wires and balanced lines (built-in 4:1 balun). Very popular for use between a transceiver and a final amplifier for proper matching and full drive, or as a mobile antenna tuner. The smallest Versa Tuner, 5"x2"x6". **$69.95** MFJ-901B

MFJ-945E ***Mobile*** **Tuner** Covers 1.8-30 MHz and handles 300 W PEP SSB. Extends mobile antenna bandwidth and eliminates frequent stops to get out, and adjust your whip when making frequency changes. Matches coax cable only, has built-in cross-needle SWR bridge and wattmeter with 50/300 and 5/30 W ranges. 8"x2"x6". **$99.95** MFJ-945E

MFJ-941E ***Super Value*** **Versa Tuner II** Covers 1.8-30 MHz and handles 300W PEP SSB. Matches everything! Coax fed dipoles, vees, whips, verticals, beams, random wires and balanced lines (built-in 4:1 balun). Built-in lighted Cross-Needle SWR/Power meter with 300/50W and 30/5W ranges. 8-pos antenna switch to select 2 coax lines (direct or thru tuner), random wire/balanced line, or external dummy load. 10⅝"x2⅞x7". **$109.95** MFJ-941E

MFJ-949EY ***deluxe*** **Versa Tuner II** Has the same power, tuning, and switching capability as MFJ-941E described above. In addition, it has a lighted peak reading Cross-Needle SWR/Wattmeter, and a built-in 300W 50 Ohm dummy load. 10⅝"x2⅞"x7". **$139.95** MFJ-949EY

MFJ-962C ***1.5KW*** **Versa Tuner III** Covers 1.8-30 MHz and handles 1.5KW PEP SSB. Matches coax, random wire or balanced line (built-in 4:1 balun) Lighted peak and average reading Cross-Needle SWR/Wattmeter with 200/2000W ranges. Six position switch for 2 coax lines (direct or thru tuner), random wire and balanced lines. 10¾"x 4½"x15". **$249.95** MFJ-962C

MFJ-986 ***Differential-T***™ **Tuner**. Same as MFJ -962C, but handles 3 KW PEP SSB, tunes most antennas. Features a broadband T-Network with roller inductor and differential capacitor. Lighted peak/average reading Cross-Needle SWR/Wattmeter with 200/50W and 2000/500W ranges. Inductor spinner knob with 3 digit turns counter. 10¾"x4½"x15". **$299.95** MFJ-986

MFJ-989C ***3KW*** **Versa Tuner V.** Heavy Duty! Similar to MFJ-986, but now with NEW AirCore™ "ARC FREE" Roller Inductor, two massive transmitting capacitors that can handle 6000 RF volts, 50 Ohm 300 watt dummy load, and tilt stand. 10¾"x4½"x15". 3KW PEP SSB. **$349.95** MFJ-989C

Ameritron's AL-811 gives you 600 watts PEP

That's nearly two full S units over your barefoot rig !!

The first 600 watts makes the most difference...Ameritron's AL-811 gives you 600 W PEP output--that's nearly 2 full S-units over your barefoot rig!

AL-811 gives you all mode operation, and covers all HF bands. There's no compromise on WARC and many MARS bands -- you get a 100% rated output.

The AL-811A tube resists premature failure, even when your amplifier is mis-tuned. Widely spaced elements minimize the chance of elements touching and causing a short, and a directly heated thoriated tungsten filament cathode prevents the electron emitting layer from instantly stripping off -- even if mis-tuning causes a sudden, severe current overload.

The AL-811 advantage over competing amps is a heavy duty power transformer with a high silicon steel core weighing a hefty 17 pounds. A tuned input provides a 50 Ohm load for your rig. Even fussy solid state rigs can deliver their full drive into the AL-811.

A quiet pressurized ventilation system keeps your tubes safely cooled with over 20 cubic feet per minute of cool air. Two illuminated meters give you a clear picture of your AL-811 operating conditions so you can tell right away if something is wrong.

Ameritron's exclusive *Adapt-A-Volt*™ power transformer has a special buck-boost winding that lets you compensate for stressful high line voltage and performance robbing low line voltage.

Plus more! AMERITRON gives you an operate/standby switch, a transmit LED, a 12 Vdc keying relay, a built-in back pulse cancelling diode, and shielded RF compartment. The AL-811 is a compact 15 1/2" D x 13 3/4" W x 8 1/4" H, weighing 30 lbs. It draws 8 amps at 120 Vac. Ameritron's AL-811 is covered by a one year limited warranty.

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Mirage B-34, $79, 35 watts out . . . no preamp.

Power Curve -- typical B-34-G output power for your HT input								
Watts Out	*18*	*30*	*33*	*35+*	*35+*	*35+*	*35+*	*35+*
Watts In	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*

B-34-G Suggested Retail **$99**

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We extend our sympathy to the family of Ray Smith, KR8B,Past DARA President, who passed away April 14, 1996.

DARA SCHOLARSHIP PROGRAM

Since 1984, the Dayton Amateur Radio Association has been able to assist young amateurs heading to college by awarding scholarships. In 1995 eight students each received $2000 toward tuition at the school of their choice. The program is open nationwide to any FCC licensed amateur radio operator graduating from high school in the year the award is given. There are no restrictions on class of license or course of study. The 1995 scholarship recipients are:

Dwight Harris, Jr., NØNTM, of Fairfield, Iowa. Dwight holds a Technician Class license and attends Maharishi International University majoring in biology and biochemistry.

Teresa M. Hensley, KA8YTO, of New Paris, Ohio. Teresa, who holds a Novice class license, is the recipient of the Charles G. Frye Memorial Scholarship and attends Wright State University majoring in secondary education.

Alexis M. Leynes, N9KYJ, of Hanover Park, Illinois is the recipient of the Dave Beam Memorial Scholarship. Alexis holds a Technician Class license and attends the University of Illinois majoring in pre-medicine.

Thomas Jirku, N1RFF, of Hartford, Connecticut. Thomas holds a Technician class license and attends Brown University majoring in history.

Shesha D. Marvin, KD6IDF, of Fullerton, California. Shesha holds a Novice class license and attends California State University majoring in communications.

Kyle Pinches, N8VRA, of Kettering, Ohio. Kyle holds a Technician class license and attends Rose-Hulman Institute of Technology majoring in computer engineering.

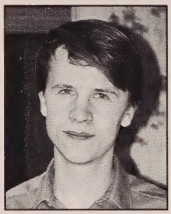
Johnathan Ramezan, KB8FSD, of Glenville, West Virginia. Johnathon holds a Technician License and attends West Virginia Wesleyan University majoring in engineering.

Eric J. Shook, KF8DF, of Jackson, Michigan is the recipient of the Robert F. Zimmerman Memorial Scholarship. Eric holds an Extra Class license and attends Michigan State University majoring in electrical engineering.

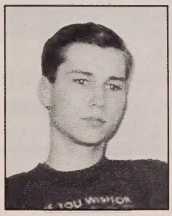
Dwight
NØNTM

Teresa
KA8YTO

Alexis
N9KYJ

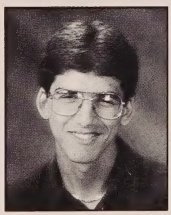


Thomas
N1RFF

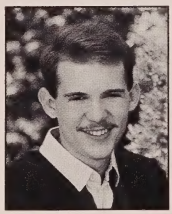


Shesha
KD6IDF

Kyle
N8VRA



Johnathan
KB8FSD



Eric
KF8DF

Entries for 1996 scholarships must be received by June 1 with winners announced on or about June 15.

Information and application forms are available at the DARA Booth (Booth #1) or write:

DARA Scholarship Program
45 Cinnamon Court
Springboro, Ohio 45066-1000

PREVIOUS AMATEUR OF THE YEAR AWARD WINNERS

1955 - William C. Jenney, W8FYW; Westlake, Ohio
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1958 - Rev. C. Lynn White, K4CC; Tavarres, Florida
1959 - Harlow Lucas, W8QQ; Columbus, Ohio
1960 - Paul Wolfe, W8IVE; Cincinnati, Ohio
1961 - Ed Bonnet, W8OVG; Dayton, Ohio
1962 - Dana Cartwright, W8UPB ; Cincinnati, Ohio
1963 - Chester Funk, K8EUF, K7ZKL; Phoenix, Arizona
1964 - H. Ruble, W8PTF; Dayton, Ohio
1965 - Carl B. Snyder, W8ARW; Greenville, Ohio
1966 - Robert K. Caskey, W9DNQ; Indianapolis, Indiana
1967 - Jack Gray, W8JDV; Mason, Ohio
1968 - Elmer Schubert, W8ALW; Cincinnati, Ohio
1969 - Wayne Walters, W9DOG; Plainfield, Indiana
1970 - Kay Anderson, W8DUV; Huntington, West Virginia
1971 - Al Michel, W8WC; Cincinnati, Ohio
1972 - Don C. Miller, W9NTP; Waldron, Indiana
1973 - Ray E. Myers, W6MLZ; San Gabriel, California
1974 - Barry Goldwater, K7UGA; Scottsdale, Arizona
1975 - Richard A. Daniels, WA4DGU; Arlington, Virginia
1976 - Joseph M. Hertzberg, N3EA; Bryn Mawr, PA
1977 - Rafael M. Estevez, WA4ZZG; Hialeah, Florida
1978 - Frank Schwab, W8OK; Dayton, Ohio
1979 - George G. Batterson, W2GB; Rochester, New York
1980 - Wayne Overbeck, N6NB; Woodland Hills, California
1981 - Eric C Shalkhauser, W9CI; Washington, Illinois
1982 - Robert G. Heil, Jr., K9EID; Marissa, Illinois
1983 - Katashi Nose, KH6IJ; Honolulu, Hawaii
1984 - Dave L. Bell, W6AQ; Los Angeles, California
1985 - John J. Willig, W8ACE; Sarasota, Florida
1986 - Roy Neal, K6DUE; Woodlawn Hill, California
1987 - Carole Perry, WB2MGP; Staten Island, New York
1988 - Bill Bennett, W7PHO; Seattle, Washington
1989 - Bill Pasternak, WA6ITF; Saugus, California
1990 - Stephen Mendelsohn; WA2DHF; Dumont, New Jersey
1991- John B. Johnston, W3BE; Derwood, Maryland
1992 - Richard Baldwin, W1RU; Waldoboro, ME.
1993 - Harry Dannals, W2HD; Charlottesville, VA.
1994 - Perry Williams, W1UED; Unionville, CT
1995 - Rosalie White, WA1STO; Newington, CT

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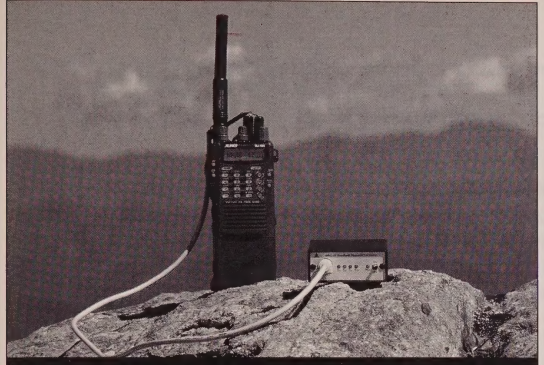

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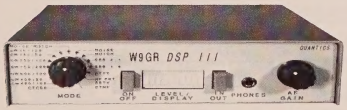
Model HS-1000 w/custom mount

Our new model HS-1000 is a 3rd generation design based on experience gained in producing over 1000 HS-100 series antennas. The new model also includes many of your most-requested features: More mounting options, higher power, and improved Z matching. Model HS-1000 is priced at $275 which includes a remote control panel kit & basic mounting hardware. Whip antenna, cables, mounts, and accessories available at extra cost. International customers: Ask about our new 2-piece whips for easy shipping. VISA/MC accepted.

High Sierra Antennas on the Internet! See our new 5 page web catalog: http://www.hsantennas.com/info. Send email to: cobler@hsantennas.com

W9GR DSP-III kit



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See and hear why the W9GR digital signal processor is the best! Meet Dave Hershberger (father of DSP for ham radio) in our booth. Let him demonstrate the fine points of the DSP-III to you in person. DSP-III kits will be available at the show or they can be ordered directly from Quantics, Box 2163, Nevada City, CA 95959 USA

The W9GR DSP-III is also featured as a construction article in the 1996 ARRL Handbook

High Sierra Antennas, Box 2389, Nevada City, CA 95959 USA Tel: 916-273-3415, Fax: 916-273-7561

SEE US IN BOOTH 302.

AWARDS NOMINATION

Help us locate nominees for our Amateur of the Year, Special Achievement, and Technical Excellence Awards. Do you know an outstanding amateur in your club, community, or from on-the-air contacts? Does this person excel in some phase of amateur radio? Do you feel this person deserves world-wide recognition? All amateurs are eligible – Novice through Extra. Awards are selected by the awards committee based on the information received. Documentation is beneficial. Magazine articles, newsletters, newspaper clippings, videos, etc. will better inform the awards committee of your candidate's accomplishments. These materials become the property of DARA and can not be returned.

Amateur of the Year

This is for the special person who has made a long term commitment to the advancement of amateur radio. We are looking for a well-rounded individual who has contributed to our hobby in some outstanding way.

Special Achievement

This is for the special person who has made an outstanding contribution to the advancement of amateur radio. This award is usually given to a respected amateur who spearheaded a single significant project.

Technical Excellence

This is for the person who has made an outstanding technical advancement in the field of amateur radio.

Name of nominee _____ Call _____

Address _____

City _____ State _____ Zip _____

Phone ( ) _____ Amateur club affiliation _____

How has this individual contributed to Amateur Radio ?

_____

_____

_____

_____

What else do you know about this individual ?

_____

_____

_____

_____

Your name (please print) _____ Call _____

Address _____

City _____ State _____ Zip _____

Phone: ☐ Day ☐ Evening ( ) _____ Your Signature _____

Send nomination to: ***Hamvention Awards Chairman***
Box 964
Dayton, OH 45401-0964

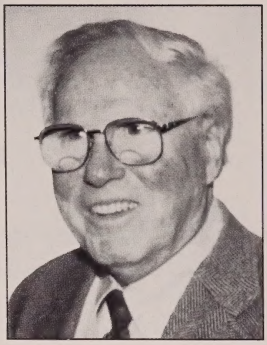
Please feel free to duplicate this form.

AWARD WINNERS

These awards will be presented at the Hamvention Banquet.

Amateur of the Year Award

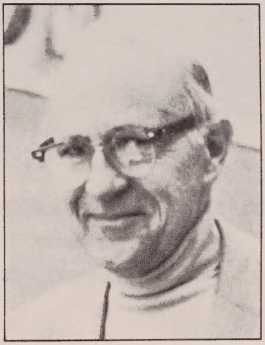
William A. (Bill) Tynan, W3XO



William A. (Bill) Tynan, W3XO, championed the cause of VHF/UHF enthusiasts worldwide. He has been contributing editor for QST Magazine's "World Above 50 Mhz" column for eighteen years, providing a medium to nurture new communication techniques, encourage DX performance and improve contesting rules on the VHF/UHF bands. He has pioneered the establishment of the Radio Amateur Satellite Corporation (AMSAT). From the founding days of the first OSCAR-6 launch to his present post as President of AMSAT, Bill has sacrificed much of his personal time, talent, and resources to the promotion and development of the amateur satellite program. His vision continues with the advent of the Phase 3-D project, scheduled for launch in December, ushering in an entirely new dimension of amateur radio operation.

Special Achievement Award

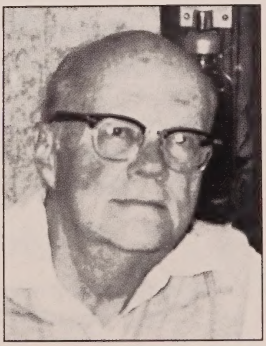
John Kraus, W8JK



John Kraus, W8JK, has contributed vastly to many advancements in antenna design by exploiting the electromagnetic spectrum. These improvements are still enjoyed today by all amateur radio operators. He invented several new antennas over the years including the W8JK- beam antenna, the helical antenna and most recognizable the "Big Ear" antenna. With the building of the "Big Ear" antenna came the "Wow" signal... an extraterrestrial signal that cannot be explained away. During his tenure as Professor at Ohio State, he wrote many articles and textbooks. In his early years he wrote an interesting story entitled, "Big Ear."

Technical Excellence Award

William (Bill) I. Orr, W6SAI



William (Bill) I. Orr, W6SAI, has inspired new and veteran amateurs with his consistent encouragement and technical expertise. Amateur radio has benefitted from Bill's publications, The Radio Handbook, the Beam Antenna Handbook, The Quad Antenna Handbook, The UHF-VHF Manual, and many others, becoming "shack" standards. Bill provided technical assistance beyond his duties as an engineer at EIMAC, personally answering technical questions and supplying schematic ideas to amateur radio builders. It was his open concern that went the extra mile to further the kinship of ham radio with his monthly articles "Radio Fundamentals" in CQ magazine until last year, when he announced his retirement. Hundreds of letters from friends prompted him to come out of retirement and he still continues writing.

FRIDAY FORUMS

1:00 - 3:00 AMSAT(**SESSION #1**) ..... ROOM 1

Moderator: Keith Pugh, W5IU, VP-Operations AMSAT-NA

Speakers: "SAREX: Mission Reports and Plans"
Frank Bauer, KA3HDO, VP-Manned Space Programs, AMSAT-NA
Matt Bordelon, KC5BTL, SAREX Principal Investigator
Rosalie White, WA1STO, Educational Activities Manager, ARRL
"Getting Started on the Amateur Radio Analog and Digital Satellites"
Barry Baines, WD4ASW, AMSAT-NA Vice President, Field Operations

1:00 - 2:45 Oklahoma City, April 19th, 1995 (**SESSION #2**) ..... ROOM 2

Moderator: Lt. Stan Van Nort, N5JFQ, Oklahoma City P. D.

The Role of Amateur Radio in America's Most Devastating Terrorist Incident

1:00 - 5:00 TAPR Digital Radio (packet) (**SESSION #4**) ..... ROOM 4

Moderator: John Ackerman, AG9V

Speakers: "Introduction to Digital Communications", Greg Jones, WD5IVD
"Making 56Kbaud Operations A Reality", Barry McLarnon, VE3JF
"Spread Spectrum Technology and Current Issues in Amateur Radio"
DeWayne Hendricks, WA8DZP, and Steve Bible, N7HPR
"Using DAS and PCON in Emergency Communications", Paul Newland, AD7I
"BBS Issues AND Trends" Barry Buelow, WAØRJT
"APRS Update and SIG Meeting", Bob Bruninga, WB4APR, and Keith Sproul, WU2Z

1:00 - 5:00 ANTENNAS (**SESSION #5**) ..... ROOM 5

Moderator: Tim Duffy, K3LR, and Rich Boyd, KE3Q

Speakers: "Investigating Computer Generated Radio Frequency Interference, and How to Control It", Dr. Richard Adler, K3CXZ
"HF Antenna Secrets from the W3LPL Station", Frank Donovan, W3LPL
"Radiators with Elevated Ground Systems", William Culpepper, W4BZ
"The Design of a High Performance 40 Meter Yagi Antenna System"
Dr. James Breakall, WA3FET, and Tim Duffy, K3LR

2:00 - 3:00 ELECTRICAL SAFETY DEMONSTRATION (**SESSION #6**) ..... ROOM 6

Moderator: George Maurer and Tony Norman, The Dayton Power & Light Co.

3:00 - 5:00 COUNTY HUNTERS (**SESSION #7**) ..... ROOM 2

Moderator: John B. Sebastian, N8BGF, Great Lakes Director for MARAC

Speakers: "MARAC Awards", Pete Peterson, K4QFK, and Carl Durnavich, KF9FU
"CW County Hunting", Andy Anderson, W3XE
"YL and OM Team Mobile", June Beard, WB3ITH, and Vern Beard, WB3IET

FORUMS continued

3:15 - 5:00 USING HAM RADIO IN THE CLASSROOM (**SESSION #8**) ..... ROOM 1

Moderator: Carole Perry, WB2MGP

Speakers: "What the ARRL Has to Offer Instructors and Teachers", Rosalie White, WA1STO, ARRL Educational Activities
"Qualifications for the Young Ham of the Year", Bill Pasternak, WA6ITF
"How to Have Successful Fund Raisers", Ellie Van Winkle, NØQCX
"Using Ham Radio to Teach Other School Curricula", Carole Perry, WB2MGP

SATURDAY FORUMS

9:00 - 1:00 DX TOPICS (**SESSION #9**) ..... ROOM 1

Moderators: Steve Bolia, N8BJQ, and Mark Musick, WB9CIF

Speakers: "ARRL DXCC Program", Bill Kennamer, K5FUV
"ARRL DXAC Program", Garth Hamilton, VE3HO
"The Wake Island 1996 DXpedition", Don Greenbaum, WB2DND
Sam Harrell, AL7EL
Robert Fabry, N6EK
Lloyd Westbrook, K4HQI
"XRØY/Z Easter Island Expeditions: Technological Innovations for DXing",
Bob Schmieder, KK6EK
John Hilbish, W3UM
Wes Lamboley, W8FMG
"XZ1A", Wayne Mills, N7NG

9:00 -10:30 COMBINED MARS (Military Affiliate Radio Service) (**SESSION #10**) ..... ROOM 2

Moderator: Ray Collins, Chief, Air Force MARS, AGA3C

Speakers: Robert L. Sutton, Chief, Army MARS, AAA9A, N7UZY
Ray Collins, Chief, Air Force MARS, AGA3C
Dave Vittum, Chief, Navy/Marine Corps MARS, NNNØASA, W1DV

9:00 - 11:00 WX SATELLITE (**SESSION #11**) ..... ROOM 3

Moderator: Jeff Wallach, Ph.D., N5ITU

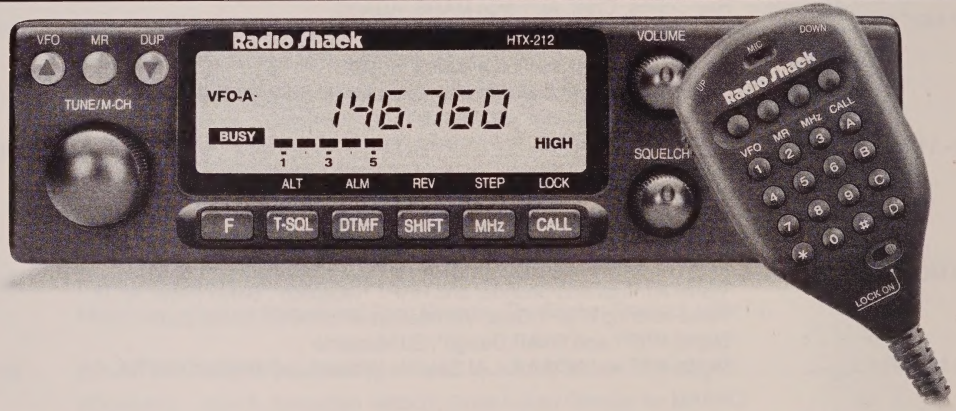
Speakers: "Building APT and WEFAX Ground Stations", Jeff Wallach, N5ITU
"Homebrewing APT and WEFAX Imagery with JVFAX", Grant Zehr, M. D.
"Weather Satellite Imagery Interpretation", Charlie Judge, M. D.
"Visual Atmospheric Sounder and HRPT Reception", Steva Padar, M. D.
"False-coloring of APT Data: An Alternative for HRPT", Hart Zaun
"Digital HRPT and GVAR Design", Ed Murashie
"Digital APT and NOAA K-L-M Satellite Update", Jeff Wallach, N5ITU

9:00 - 10:00 ARES (Amateur Radio Emergency Service) (**SESSION #12**) ..... ROOM 4

Moderator: Larry Solak, WD8MPV, Section Emergency Coordinator, Ohio

Speakers: "ARES and ARRL Field Services", Jay Mabey, NUØX, Assistant Director, Field Services, ARRL
"Section Perspective", Joanne Solak, KJ3O, Ohio Affiliated Club Coordinator, ARRL
"Section Organization", Dave Kersten, N8AUH, ARRL Section Manager, Ohio

Radio distress calls answered daily.



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FORUMS continued

9:00 - 11:00 VHF/UHF/MICROWAVE (**SESSION #13**) ..... ROOM 5

Moderator: Bob French, N8EHA, and Merle Rummell, W9LCE
Speakers: "Hair Pin Antennas", Kent Britain, WA5VJB
"Hardline Cable and Connectors", Tom Whitted, WA8WZG
"Heat Sink Basics for Microwave Devices", Ed Krome, KA9LNV
"Fractal Antennas", Rich Kutter, KB8LOE

9:15 -10:45 INTERNATIONAL HUNGARIAN AMATEUR RADIO CLUB (**SESSION #14**) ..... MHS Cafeteria
Moderator: Steven J. Miskey, KE8J

9:15 - 10:30 FIREBIRDS (**SESSION #15**) ..... MHS Gymnasium

Moderator: Paul Davenport, WB8TQQ, President

9:30 - 11:30 GETTING ATTENTION FOR AMATEUR RADIO (**SESSION #16**) ..... MHS Auditorium

Moderator: Bill Pasternak, WA6ITF and Jim Davis, KU8R

Speakers: "Getting Attention Through Demonstration", Henry Feinberg, K2SSQ
"Getting In Print", Joe Philips, WD8QOE, Ohio ARRL PIC
"Getting On Radio", Steve Mendelsohn, WA2DHF, VP ARRL
"Getting On Television", Keith Glispie, WA6TFD
"Recruiting Young Hams on Their Own Terms", Bill Pasternak, WA6ITF
"Putting It Together", Joe Schroeder, W9JUV

10:15 - 12:30 YOUTH IN AMATEUR RADIO (**SESSION #18**) ..... ROOM 4

Moderator: Carole Perry, WB2MGP

Speakers:

Beth Harris, KJ7FC	Wyoming
Mike Ballbach, NØZTQ	Colorado
Kirk Severson, KBØLNM	Colorado
Ben Fenster, KBØOVM	Colorado
Mike Wiacek, N3PDO	Pennsylvania
Jeremy Graham, N9OWS	Illinois
Sam Garrett, AAØCR	Missouri

Each of the young amateurs will be sharing knowledge and experiences from Ham Radio. Several companies have donated prizes for those 18 years and younger in attendance.

10:45 - 12:00 OHIO ARMY MARS (Military Affiliate Radio Service) (**SESSION #19**) ..... ROOM 2

Moderator: Ron J. Jakubowski, AAM5OHO, Assistant Director for Operations

Speakers: "Emergency Operations in Army MARS", Dave Martin, AAA9ED, Emergency Director, Chief's Special Staff
"Participation, Reporting, and Membership", John Walker, AAM5OHA, Assistant Director for Administration
"Purpose and Importance of EEI Reports", Dale T. Elliott, AAR5TY, Consultant to State Army MARS Director
"Training Issues", Kenneth E. Camp, AAM5OHT, Assistant Director for Training
"State Report", Joseph Pavelchak, AAA5OH, State Army MARS Director, and Terry E.Taylor, AAV5AA
Henry A. Joyce, AAA5DOH, State Deputy Army MARS Director

FORUMS continued

11:00 - 12:45 10 - 10 INTERNATIONAL NET (**SESSION #20**).....MHS Gymnasium

Moderator: Linda Barnes, KJ4FM, Director

Panel: Tom Henderson, K4CIH, President
Chuck Imsande, W6YLJ, Vice President

Topic: "10 Meters is Alive and Well...Somewhere!"

11:00 - 12:00 OSSBN (Ohio Single Sideband Net) (**SESSION #21**).....MHS Cafeteria

Moderator: Michael Mettler, WB8MZZ

11:15 - 12:15 GERATOL NET (**SESSION #23**).....ROOM 3

Moderator: Dave Ertel, KJ8V, NCS Coordinator

Speaker: "Newsletter News", Daniel Henderson, WA4QQN

11:15 - 12:45 DIGITAL DIGEST (**SESSION #22**) .....ROOM 5

Moderator: Dale Sinner, W6IWO,

Speakers: "DSP for Beginners", Doug Hall, KF4KL, JPS Communications, Inc.
"Demodulators: From Tubes to DSP", Bill Henry, K9GWT, President, HAL Communications Corp.

12:00 - 3:00 COMBINED QRP (**SESSION #25**) .....MHS Auditorium

Moderator: Jim Fitton, W1FMR, President, QRP-NE

Speakers: "QRP-A Homebrewer's Paradise", Dave Benson, NN1G
"What's New in Construction From Europe", Rev. George Dobbs, G3RJV
"What's New in Local QRP Clubs", Representatives from QRP-ARCI and Local Clubs

12:15 - 1:45 AMPLITUDE MODULATION (**SESSION #24**) .....ROOM 2

Moderator: Dale Gagnon, KW1I

Speakers: "AM International Update"
"The AM QRP Phenomenon", Tom Cathey, K1JJ"
"Utilizing the Gateway 160 Meter AM Bulletin Service", Verne Jackson, WAØRCR

12:30 - 2:45 SLOW SCAN TV (**SESSION #26**) .....ROOM 3

Moderator: Dr. Don C. Miller, W9NTP

Speakers: "A Comparison Between Hardware and Software Methods of Generating SSTV" John Langner, WB2OSZ
"SSTV and the Internet", John Campbell, KC4LWI
"Supplementary Software Programs and Equipment to Enhance Your Enjoyment of SSTV" Ramon Glidden, W5NOO
"SSTV DXpeditions", Luis Chartarifsky, XE1L

12:45 - 2:45 PACTOR (**SESSION #27**) .....ROOM 4

Moderator: Phil Sussman, KB8LUJ, Editor, PACTOR News

Speakers: Gwyn Reedy, W1BEL, PacComm
Mike Lamb, N7ML, AEA
Dr. Tom Rink, DL2FAK, SCS GmBh
Pete Detwiler, WA2MFY, Pineoak Digital Corp.
Ari Surkiss, 4X6UO

FORUMS continued

1:00 - 3:00 AMSAT (**SESSION #28**) ..... ROOM 5

Moderator: Bill Tynan, W3XO, President, AMSAT-NA

Speakers: "PHASE 3-D – The Satellite for ALL Amateurs!", Project Team Panel Discussion
Dr. Karl Meinzer, DJ4ZC, President AMSAT-DL and P3-D Team Leader
Bill Tynan, W3XO, President, AMSAT-NA
Keith Baker, KB1SF, Executive Vice President, AMSAT-NA
Dick Jansson, WD4FAB, Vice President-Engineering, AMSAT-NA
Lou McFadin, W5DID, P 3-D Integration Facility Supervisor
Graham Ratcliff, VK5AGR, National Coordinator, AMSAT-VK
"Mode S and Above...Preparing to Use the Higher Bands on P3-D", Ed Krome, KA9LNV, Southern Indiana AMSAT Area Coordinator

1:00 - 2:00 ELECTRICAL SAFETY DEMONSTRATION (**SESSION #29**) ..... ROOM 6

Moderator: George Maurer and Tony Norman, Dayton Power & Light

1:00 - 2:30 OPERATING TECHNIQUES FOR NEW HAMS (**SESSION #30**) ..... MHS Gymnasium

Moderator: Mitchell Stern, WB2JSJ

Speakers: "Techniques to Maximize Ham Radio Fun", Mitchell Stern, WB2JSJ
"VHF/UHF Emergency Communications Techniques", Ronni Stern, KA1NRR
"Make Your Equipment Work for You", Mitchell Stern, WB2JSJ
"Improve Your Skills Through Contesting", Mitchell Stern, WB2JSJ, and Ronni Stern, KA1NRR

1:30 - 3:00 LOGGING PROGRAMS (**SESSION #32**) ..... MHS Cafeteria

Moderator: Lauren Rudd, KD8PZ

Speakers: "Full On-Line Logging Using Radio Controller Programs", Lauren Rudd, KD8PZ
"Making Your Logging Program Work for You", Paul van der Eijk, KK4HD
"The New Amateur Data Interchange Format (ADIF) for Logging Programs, Ray Ortgiesen, WF1B
"How to Pick A Logging Program", Lauren Rudd, KD8PZ

1:30 - 5:00 CONTEST (**SESSION #31**) ..... ROOM 1

Moderator: Doug Grant, K1DG

Speakers: "Switching and Filtering in a Two Radio Station", Tony Brock-Fisher, K1KP
"Building a Two-Tower Station", Bill Hider, N3RR
"Single-Operator, Two-Radio Contesting from KS9K", Chad Kurszewski, WE9V
"A Single-Tower Multi-Multi Station", Jay Terleski, WXØB
"We Build It Every Year-PJ1(9)B", Ed Moody, N3ED
"Single-Tower Station Design", Steve Morris, K7LXC
"Building a Contest Station in Hong Kong", Steve Dubberstein, VS6WO
"Complete Two-Radio Contest Station Automation", Jim George, N3BB

2:00 - 3:00 YLRL (YL Radio League) (**SESSION #33**) ..... ROOM 2

Moderator: Kay Eyman, WAØWOF

Speakers: "Benefits of Recruiting New Members", Mary Harper, AD4HC
"Contests and Activities", Carol Hugentober, K8DHK

FORUMS continued

3:00 - 5:00 ATV (Fast Scan Television) (**SESSION #34**) ..... ROOM 3

Moderators: Bill Parker, W8DMR

Speakers: "Let's Experiment on ATV", Dr. Don Miller, W9NTP, Wyman Research
"Airborn ATV Video Review", Ed Mitchell, KB6BFR, Micro Video
"Good Spectrum Neighbors", Henry Ruh, KB9FO, ATVQ Magazine
"Impact of a High Profile ATV Repeater", Ken Morris, WA8RUT, Vice President, ATCO

3:00 - 5:00 DIRECTION FINDING (**SESSION #35**) ..... ROOM 4

Moderator: Paul Bohrer, W9DUU

Speakers: "Sights and Sounds of DF'ing", Terry Hudson, KT9V
"Homebrew Fingerprinting of Transmitters", Malcolm Mallette, W9BVS
"Foxhunting: Basics Through Roanoke Doppler", Dick Arnett, WB4SUV
"Club Fox Hunts", Bob Frey, WA6EZV

3:15 - 5:00 AMATEUR RADIO AND THE INTERNET (**SESSION #36**) ..... ROOM 2

Moderator: H. Michael Crestohl, KH6KD/W1, VE2XZ

Speakers: "Using the Internet To Access Information and Software of Interest to Radio Amateurs and Shortwave/Scanner Listeners", H. Michael Crestohl, KH6KD/W1, VE2XZ, Cynthia Reid Crestohl, VE2QF

3:15 - 5:00 TECH TALKS (**SESSION #37**) ..... ROOM 5

Moderator: Tony Pazzola, WB2BEJ

Speakers: "The Impact of New Wireless Technologies on Amateur Radio", Tony Pazzola, WB2BEJ
"Voice Enhancement Using Linked Compression/Expansion Processing" Robert Damrau, WA1LOT, Link Plus Corp.

4:00 - 5:00 ELECTRICAL SAFETY DEMONSTRATION (**SESSION #38**) ..... ROOM 6

Moderator: George Maurer and Tony Norman, Dayton Power & Light

SUNDAY FORUMS

9:30 - 10:30 FCC (**SESSION #39**) ..... ROOM 1

Moderators: John Johnston, W3BE, Assistant for Personal Radio Services, Private Wireless Division, Wireless Telecommunications Bureau, FCC

9:30 - 11:00 AMATEUR RADIO AND THE LAW (**SESSION #40**) ..... ROOM 2

Moderator: James O'Connell, W9WU

9:30 - 11:00 REPEATER BASICS (**SESSION #41**) ..... ROOM 3

Moderator: Hap Holly, KC9RP

Speakers: "Repeater Basics", Bill White, WB4LAI
"Repeaters and Disaster Preparedness", Joe Eisenberg, WAØWRI

FORUMS continued

9:30 - 11:00 MOBILE RADIO INSTALLATION TIPS (**SESSION #42**) ..... ROOM 4

Moderator: Don Hibbard, WD8NFX, General Motors Electromagnetic Compatibility Department

9:30 - 11:00 BICYCLE MOBILE HAMS OF AMERICA (**SESSION #43**) ..... ROOM 5

Moderator: Ned Mountain, WC4X, Bob Pulhuj, KE8ZJ

Speakers: "Cycling and Hamming Michigan's Beautiful Upper Peninsula", Jim Kortge, NU8N
"Computer Modeling of HF and VHF Antennas Mounted on Bicycles" Russ Dwarshuis, KB8U
"Safe Cycling and Fulfilling Your Ham Obligations on Group Rides" Chris Charron, WBØRSW
"HF Bicycle Mobile Show and Tell", Ned Mountain, WC4X
Russ Dwarshuis, KB8U
Jim Kortge, NU8N

10:00 - 11:00 ELECTRICAL SAFETY DEMONSTRATION (**SESSION #44**) ..... ROOM 6

Moderator: George Maurer and Tony Norman, Dayton Power & Light

11:00 - 1:00 ARRL (**SESSION #45**) ..... ROOM 1

Moderator: George Race, WB8BGY, Director, Great Lakes Division

Speakers: Rod Stafford, KB6ZV, President ARRL
David Sumner, K1ZZ, Executive President of ARRL
John Thernes, WM4T, Vice Director, Great Lakes Division

11:15 - 1:00 NATIONAL FREQUENCY COORDINATORS COUNCIL (**SESSION #46**) ..... ROOM 3

Moderator: Owen Wormser, W6LEW

Speakers: "Presentation and Discussion of a Proposal for a Single Point of Contact for Repeater Frequency Coordination":

Paul Gilbert, KE5ZW
Dick Isley, WD9GIG
Whit Brown, WBØCJX
Jim Fortney, K6IYK
Bill Kelsey, WA6FVC

11:15 - 1:00 SCANNER/SHORTWAVE LISTENERS (**SESSION #47**) ..... ROOM 4

Moderator: Mike Schulsinger, N8QHV

Speakers: "Monitoring the Election Campaigns", John Fulford, WA4VPY
"Chuck Gysi, N2DUP, Editor, Popular Communications

11:15-1:00 STATION GROUNDING FOR LIGHTNING PROTECTION (**SESSION #48**) ..... ROOM 5

Moderator: Ron Block, WR Block & Assoc. Inc.

1996 HAMVENTION FORUMS SCHEDULE

DAYTON hamvention®

FRIDAY – MAY 17

TIME	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	MHS Auditorium	MHS Gymnasium	MHS Cafeteria
1:00 p.m.	AMSAT 1:00-3:00	Oklahoma City April 19th 1:00-2:45	Alternate Activities *"Make-it & Take it" Free* 1:00-5:00 *(See Separate Schedule for Saturday and Sunday Activities)*	TAPR Digital Radio (Packet) 1:00-5:00	Antennas 1:00-5:00	Electrical Safety Demonstration 2:00-3:00			
2:00 p.m.									
3:00 p.m.	Using Ham Radio in the Classroom 3:15-5:00	County Hunters 3:00-5:00							
4:00 p.m.									
5:00 p.m.									

SATURDAY – MAY 18

TIME	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	MHS Auditorium	MHS Gymnasium	MHS Cafeteria
9:00 a.m.	DX 9:00-1:00	Combined MARS 9:00-10:30	WX Satellite 9:00-11:00	ARES 9:00-10:00	VHF/UHF Microwave 9:00-11:00	Electrical Safety Demonstration 10:00-11:00	Getting attention for Amateur Radio 9:30-11:30	Firebirds 9:15-10:30	International Hungarian Amateur Radio Club 9:00-10:45
10:00 a.m.									
11:00 a.m.		Ohio Army MARS 10:45-12:00	GERATOL Net 11:15-12:15	Youth in Amateur Radio 10:15-12:30	Digital Digest 11:15 -12:45			10-10 International Net 11:00 - 12:45	OSSBN 11:00-12:00
Noon									Alternate Activities Luncheon 12:00-1:30
12:00 a.m.		Amplitude Modulation 12:15-1:45	Slow Scan TV 12:30-2:45	PACTOR 12:45-2:45	AMSAT 1:00-3:00	Electrical Safety Demonstration 1:00-2:00	Combined QRP 12:00-3:00	Operating Techniques for New Hams 1:00-2:30	Logging Programs 1:30-3:00
2:00 p.m.	Contest 1:30-5:00	YLRL 2:00-3:00							
3:00 p.m.		Amateur Radio and the Internet 3:15-5:00	ATV *(Fast Scan ATV)* 3:00-5:00	Direction Finding 3:00-5:00	Tech Talks 3:15-5:00	Electrical Safety Demonstration 4:00-5:00			
4:00 p.m.									
5:00 p.m.									

SUNDAY – MAY 19

TIME	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6	MHS Auditorium	MHS Gymnasium	MHS Cafeteria
10:00 a.m.	FCC 9:30 -10:30	Amateur Radio & the Law 9:30 -11:00	Repeater Basics 9:30 -11:00	Mobile Radio Installation Tips 9:30 -11:00	Bicycle Mobile Hams of America 9:30 -11:00	Electrical Safety Demonstration 10:00 -11:00			
11:00 a.m.									
Noon	ARRL Forum 11:00 -1:00		National Frequency Coordinators Council 11:15 -1:00	Scanner & Shortwave Listeners 11:15 -1:00	Station Lightning Protection 11:15 -1:00				
1:00 p.m.									

MHS: Meadowdale High School Free shuttle bus provided.

1996 HAMVENTION FORUMS SCHEDULE

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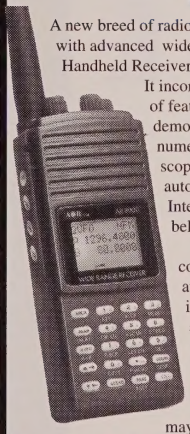

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Programmable Step Size: AM/NFM: 5 kHz, 6.25 kHz, 9 kHz, 10 kHz, 12.5 kHz, 20 kHz, 25 kHz, 30 kHz, 50 kHz & 100 kHz **WFM:** 50 kHz & 100 kHz.
Modes of reception: AM, NFM & WFM
Auto-Mode tuning: "Automatically" select the appropriate mode and channel step.
Wide variety of search & scan facilities: Search & scan may be selected using various parameters such as PROGRAM SEARCH, MANUAL SEARCH, BANK LINK, DELAY, PAUSE, PASS, SCAN, BANK DELETE, PRIORITY etc.

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Your listening horizons are truly extended with receiver coverage from 100kHz all the way up to 2036MHz. The high level of performance is achieved by 15 band pass filters before the GaAs FET RF amplifiers. To ensure high sensitivity through the entire coverage with outstanding dynamic range and freedom from intermodulation effects. It will allow listening in any mode: NFM, WFM, AM, USB, LSB and CW. Tuning rates are selectable from an ultra-fine 50Hz step for SSB and CW all the way up to 999.995kHz for the TV and VHF broadcast bands, x10 increase and x5 decrease tuning rate buttons have been provided on the front panel to increase versatility and operational pleasure.

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Each memory channel, 4 banks of 100 channels, will retain mode, frequency, RF attenuator setting and lockout status. The first channel of each memory bank may be used as a priority channel. Up to 100 individual frequencies can be locked out of each of the four search banks to prevent the receiver stopping on continuously occupied frequencies.

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ALTERNATE ACTIVITIES

Hamvention Ticket Required

We'd like to welcome everyone to join us for interesting lectures, collectible crafts and other recreational activities. (See page 67 for schedule).

Friday afternoon 1:00 p.m. - 4:00 p.m. at Hara Arena **Free** Make-It and Take-It Craft session.

Saturday 9:00 a.m. to Noon and 2:00 p.m. to 4:00 p.m. and Sunday 9:00 a.m. to Noon at Meadowdale High School. Participate in a variety of craft classes, lectures and bingo. Alternate Activities Luncheons also available on Saturday and Sunday.

Shuttle bus service from Hara Arena is provided on Saturday and Sunday.

Hara Arena

Friday, May 17 1:00 - 4:00 p.m.
Make It & Take It Room 3

Meadowdale High School

Saturday, May 18 9 a.m. to 12 Noon - 2 to 4 p.m.
Sunday, May 19 9 a.m. - 12 Noon

1:30 p.m. Return to Hara Arena

See Listing on Page 67.

Luncheons at Meadowdale H. S.

Saturday, May 18 Noon **$9.00 Each**

Baked Chicken Breast with Lemon-herb sauce, Oven Roasted Red Potatoes, Minted peas, Pineapple/Waldorf Salad, English Trifle (Pound Cake, Peaches, Bavarian Cream), coffee, hot tea, or iced tea.

Door Prize Drawing - In Cafeteria following luncheon. You must be present to win. Luncheon ticket is used for this prize drawing.

Sunday, May 19 Noon **$9.00 Each**

Cup of Tomato Florentine with crackers, finger sandwiches of Ham salad, Chicken salad, Egg salad, Cucumber Spread, Radish Spread, Wedge of Pineapple, Strawberry and Cherry Tarts, coffee and tea.

Door Prize Drawings - In Cafeteria following luncheon. You must be present to win. Luncheon ticket is used for this prize drawing.

Thanks for coming ...
See you next year!

Our Front Cover...

Since 1996 is Dayton's Bicentennial year, we have dedicated our front cover to some of the major attractions in the Dayton area. For more information about these and other attractions, please see our "While You're Here" section, starting on page 20.

A. The Southwest Ohio Ham-vention was initiated in 1952 in a downtown Dayton hotel. Over the years it has grown into the Dayton Hamvention with a worldwide reputation.

B. The Air Force Museum was established in 1923 and is the world's largest miitary aviation museum (picture: X15 rocket/airplane).

C. Sunwatch is a 12th century reconstructed Indian village. After 12 years of research, Sunwatch was opened to the public in 1988.

D. The Wright Cycle Company, established in 1988, is one of five bicycle shops owned by the Wright brothers.

E. The Dayton Art Institute was founded in 1919 and is presently closed for remodeling. Be sure to visit the institute next year.

F. The Citizens Motorcar Company features restored and original Packards in a 1930's art deco showroom that was established in 1991.

G. Carillon Historical Park, established in 1942, will be transformed into a landing site and frontier village during Hamvention weekend (picture: Carillon bells).

1996 Alternate Activities Schedule - Meadowdale High School

SATURDAY - MAY 18

9:00 - 10:30	10:30 -12:00	12:00 - 2:00	2:00 - 4:00
French Horn Decor ROOM 3 $2.00	**Victorian Crocheted Egg Decor** ROOM 3 $3.00	Luncheon and Door Prizes. You must be present to win!	**Gold Lame´ Sweatshirt** ROOM 1 $2.00
Teacher Wreath ROOM 4 $5.00	**Decorate Gift Bag** ROOM 4 $1.00		**Mini Victorian Topiary** ROOM 2 $5.00
Tupperware for the Camper **Room 5** No Charge	**Tupperware Demo** *Microwave Cooking* ROOM 5 No Charge		**Duck Pin Angel** ROOM 3 $7.00
Tri-Chem Demonstration Room 6 No charge	**Tri-Chem Demonstration** Room 6 No charge		**Teacher Necklace** ROOM 4 $2.00
			BINGO!! Cafeteria No Charge
Gold Lame´ Sweatshirt ROOM 1 $2.00			
"Simply Shred" Ribbon Flowers ROOM 2 $8.00			
Paper Twist Air Freshener Victorian Angel ROOM 7 $4.00			

SUNDAY - MAY 19

9:00 - 10:30	10:30 - 12:00	12:00 - 2:00
Beaded Necklace ROOM 1 $1.00	**Glass Etching** ROOM 1 $2.00	Luncheon and Door Prizes. You must be present to win!
Battenberg Lace Heart ROOM 2 $6.00	**Vine Heart Basket** ROOM 2 $4.00	
Dress w/Hat Wall Hanging ROOM 3 $4.00	**Potpourri Pie** ROOM 3 $3.00	
Speaker Room 6 No charge	**Speaker** Room 6 No charge	
Program subject to change without notice		

1996 ALTERNATE ACTIVITIES SCHEDULE

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AT THE SAME TIME

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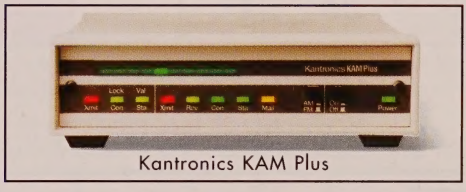

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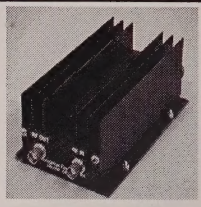
2 METER AMPLIFIERS



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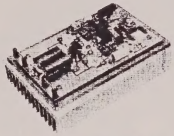

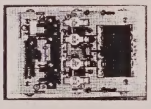

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AN762	140 WATTS	2 - 30 MHz	$ 81.60
EB27A	300 WATTS	2 - 30 MHz	$ 133.35
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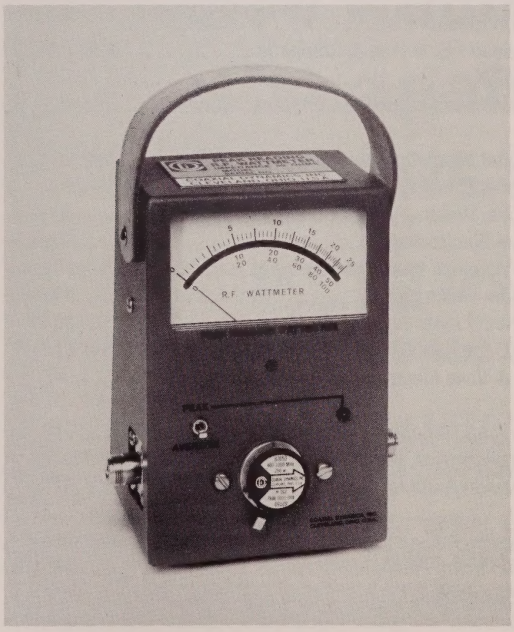

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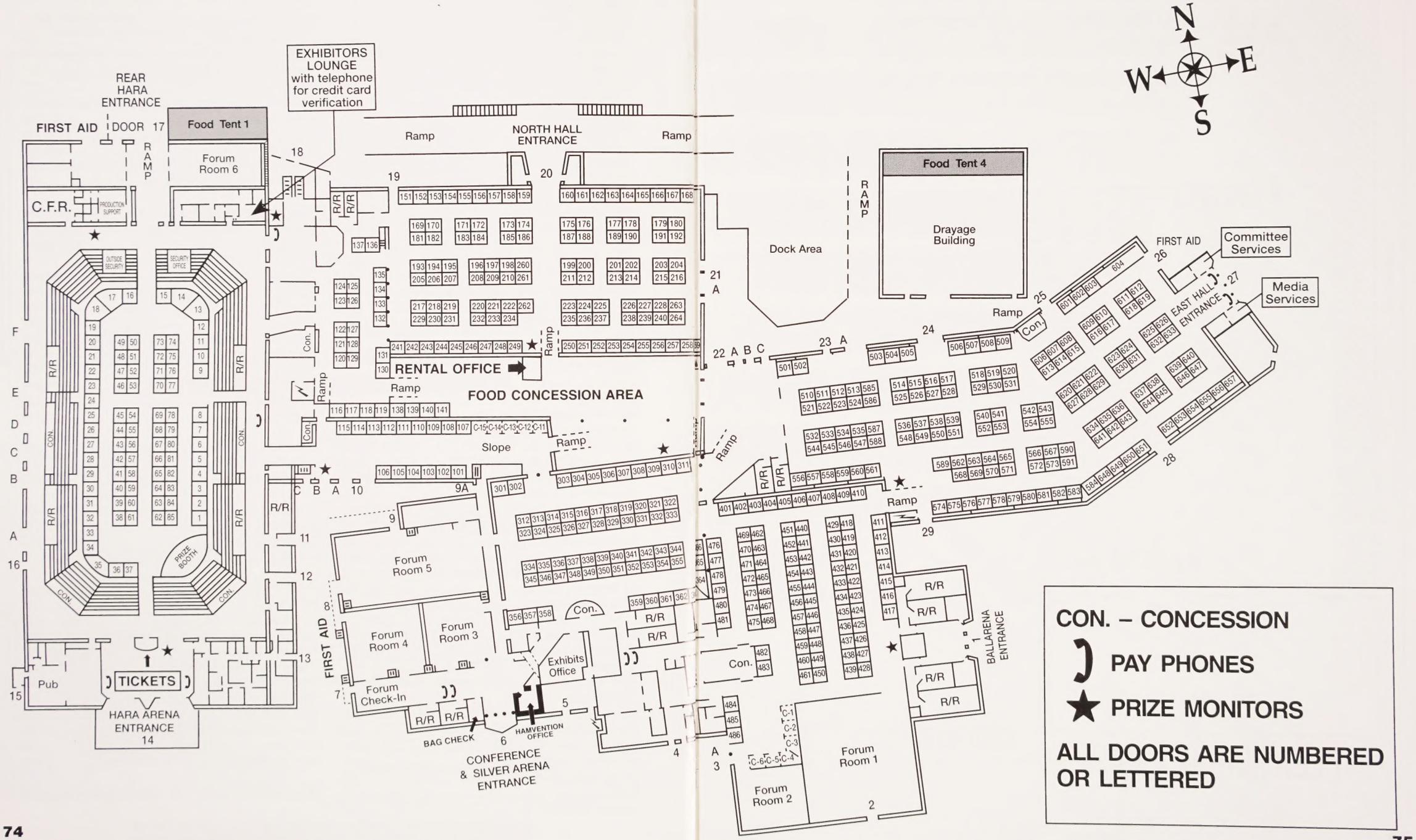
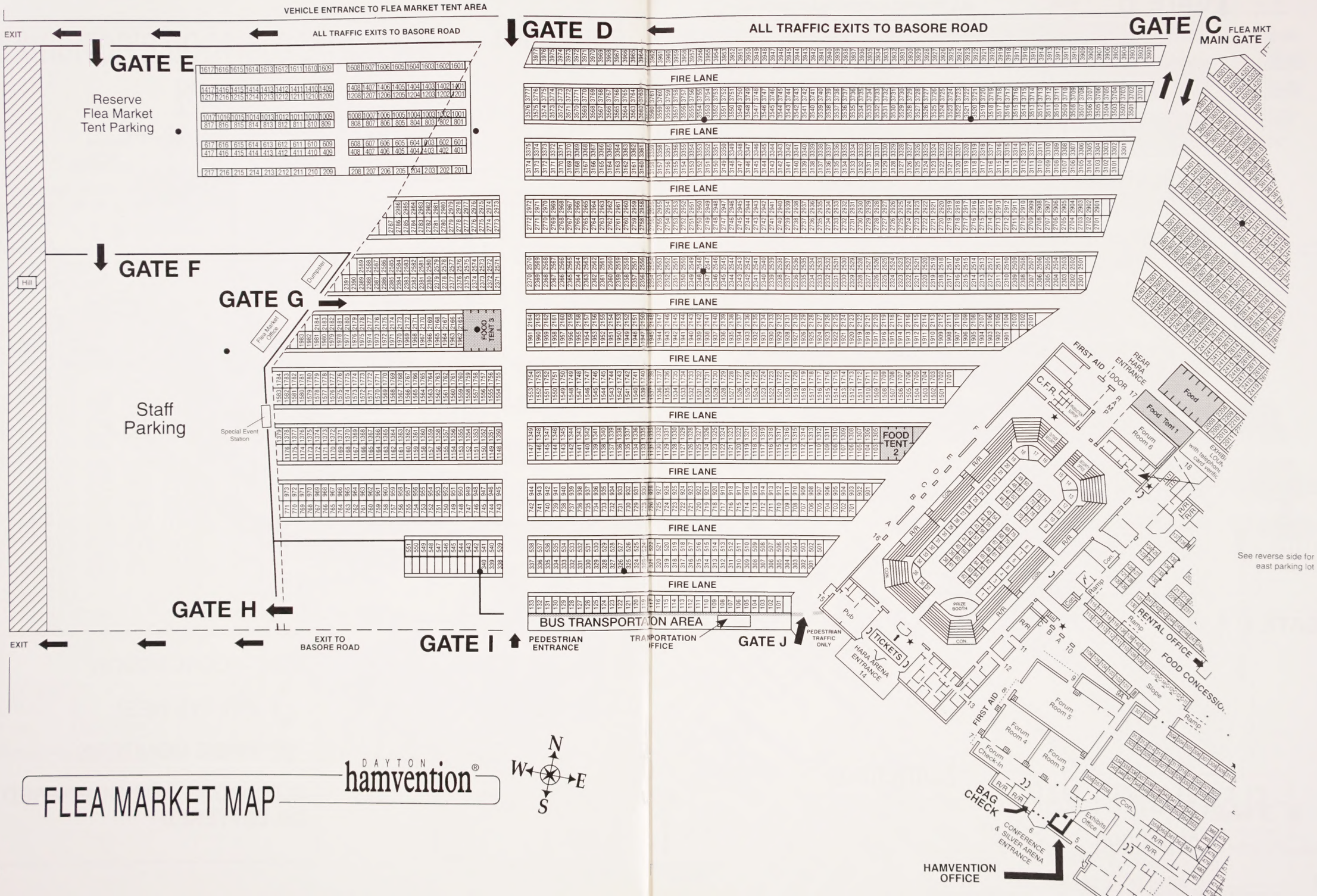
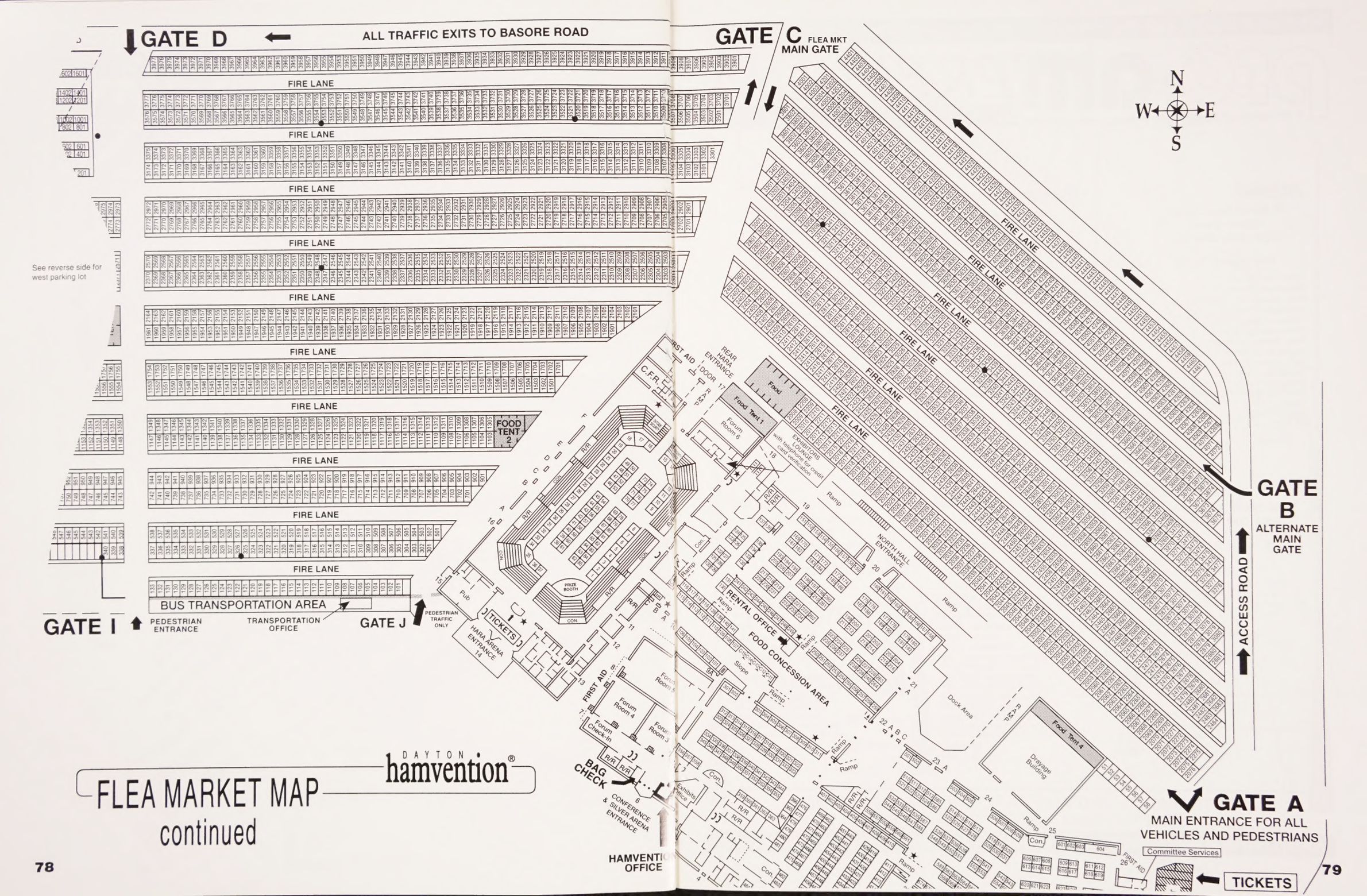




FLEA MARKET MAP

DAYTON hamvention®

See reverse side for east parking lot



DAYTON hamvention®

FLEA MARKET MAP
continued

Visit us at Booths 466, 467, and 468 at The Dayton Hamfest! - May 17, 18, & 19

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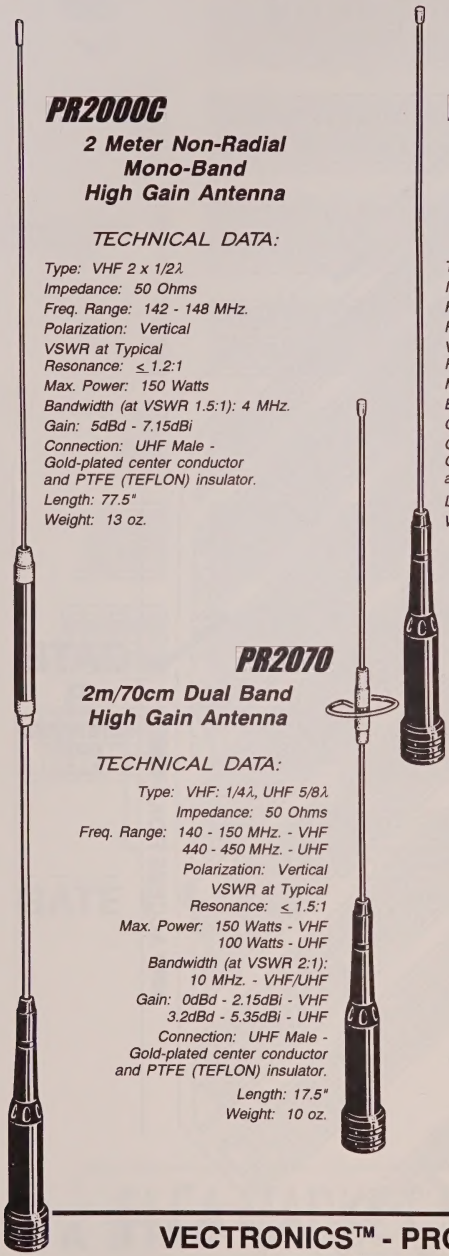

PR2000C

2 Meter Non-Radial
Mono-Band
High Gain Antenna

TECHNICAL DATA:

Type: VHF 2 x 1/2λ
Impedance: 50 Ohms
Freq. Range: 142 - 148 MHz.
Polarization: Vertical
VSWR at Typical Resonance: ≤ 1.2:1
Max. Power: 150 Watts
Bandwidth (at VSWR 1.5:1): 4 MHz.
Gain: 5dBd - 7.15dBi
Connection: UHF Male - Gold-plated center conductor and PTFE (TEFLON) insulator.
Length: 77.5"
Weight: 13 oz.

PR7000

70cm Non-Radial
Mono-Band
High Gain Antenna

TECHNICAL DATA:

Type: UHF 5/8λ
Impedance: 50 Ohms
Freq. Range: 440 - 450 MHz.
Polarization: Vertical
VSWR at Typical Resonance: ≤ 1.5:1
Max. Power: 100 Watts
Bandwidth (at VSWR 2:1): 10 MHz.
Gain: 3.2dBd - 5.35dBi
Connection: UHF Male - Gold-plated center conductor and PTFE (TEFLON) insulator.
Length: 16"
Weight: 9 oz.

PR7000C

70cm Non-Radial
Mono-Band
High Gain Antenna

TECHNICAL DATA:

Type: UHF 2 x 1/2λ
Impedance: 50 Ohms
Freq. Range: 440 - 450 MHz.
Polarization: Vertical
VSWR at Typical Resonance: ≤ 1.5:1
Max. Power: 100 Watts
Bandwidth (at VSWR 2:1): 10 MHz.
Gain: 5dBd - 7.15dBi
Connection: UHF Male - Gold-plated center conductor and PTFE (TEFLON) insulator.
Length: 28"
Weight: 11 oz.

PR2070

2m/70cm Dual Band
High Gain Antenna

TECHNICAL DATA:

Type: VHF: 1/4λ, UHF 5/8λ
Impedance: 50 Ohms
Freq. Range: 140 - 150 MHz. - VHF
440 - 450 MHz. - UHF
Polarization: Vertical
VSWR at Typical Resonance: ≤ 1.5:1
Max. Power: 150 Watts - VHF
100 Watts - UHF
Bandwidth (at VSWR 2:1): 10 MHz. - VHF/UHF
Gain: 0dBd - 2.15dBi - VHF
3.2dBd - 5.35dBi - UHF
Connection: UHF Male - Gold-plated center conductor and PTFE (TEFLON) insulator.
Length: 17.5"
Weight: 10 oz.

PR2070H

2m/70cm Non-Radial
Dual Band
High Gain Antenna

TECHNICAL DATA:

Type: VHF: 1/2λ ; UHF: 2 x 5/8λ
Impedance: 50 Ohms
Freq. Range: 142 - 148 MHz. - VHF
440 - 450 MHz. - UHF
Polarization: Vertical
VSWR at Typical Resonance: ≤ 1.5:1
Max. Power: 150 Watts - VHF
100 Watts - UHF
Bandwidth (at VSWR 2:1): 6 MHz. - VHF; 10 MHz. - UHF
Gain: 3dBd - 5.15dBi - VHF
6dBd - 8.15dBi - UHF
Connection: UHF Male - Gold-plated center conductor and PTFE (TEFLON) insulator.
Length: 40"
Weight: 12 oz.

PR2070R

2m/70cm Non-Radial
Dual Band
High Gain Antenna

TECHNICAL DATA:

Type: VHF: 1/2λ ; UHF: 2 x 5/8λ
Impedance: 50 Ohms
Freq. Range: 142 - 148 MHz. - VHF
440 - 450 MHz. - UHF
Polarization: Vertical
VSWR at Typical Resonance: ≤ 1.5:1
Max. Power: 150 Watts - VHF
100 Watts - UHF
Bandwidth (at VSWR 2:1): 6 MHz. - VHF; 10 MHz. - UHF
Gain: 3dBd - 5.15dBi - VHF
6dBd - 8.15dBi - UHF
Connection: UHF Male - Gold-plated center conductor and PTFE (TEFLON) insulator.
Length: 37"
Weight: 11 oz.

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DAYTON hamvention®

DAYTON AREA MAP

KEY

- 1 KOA campground
- 3 Miami Valley Technology Center (formerly Montgomery County Joint Vocational School–JVS)
- 4 Salem Mall
- 5 Hara Arena
- 6 Meadowdale School
- 7 Forest Park Plaza
- 8 Air Force Museum
- 10 Convention Center
- 12 Dayton Mall

1997 REGIONAL LODGING

May 16, 17, 18, 1997

LODGING OUTSIDE OF DAYTON CAN BE ARRANGED BY CONTACTING THE HOTEL/MOTEL OF YOUR CHOICE.

The following is a list of hotels/motels located in the areas surrounding Dayton. Please refer to map on the adjacent page for geographical location of the outlying areas.

1. WAPAKONETA
- Days Inn Wapakoneta 419-738-2184
- Holiday Inn Wapakoneta 419-738-8181

2. SIDNEY
- Comfort Inn 513-492-3001
- Days Inn Sidney 513-492-1104
- Econolodge 513-492-9164
- Holiday Inn Sidney 513-492-1131

3. PIQUA
- Comfort Inn 513-778-3001
- Ho-Jo 513-773-2314
- Knights Inn 513-773-6275
- Piqua Motel 513-773-3234

4. TROY
- Allen Villa (Bed & Breakfast) 513-335-1181
- Days Inn Troy 513-339-7571
- Hampton Inn 513-339-7801
- Holiday Inn Troy 513-335-0021
- Knights Inn 513-339-1515
- Micro-Tel 513-335-0013
- Super 8 513-339-6564

5. TIPP CITY
- Heritage Motel 513-667-2481
- Willow Tree (Bed & Breakfast) 513-667-2957

6. FRANKLIN
- Best Western Sunset Inn 513-727-0440
- Cavalier Inn 513-746-3961
- Collie's Motel 513-746-5032
- EconoLodge 513-746-3627
- Franklin Inn 513-743-8881
- Knights Inn 513-746-2841
- Shoney's Inn 513-743-8881

7. MIDDLETOWN
- Comfort Inn 513-420-9378
- Fairfield Inn by Marriott 513-424-5444
- Holiday Inn Express 800-465-4329
- Howard Johnson 513-424-3551
- Manchester Inn & Conference Center 513-422-5481
- Oakbrook Inn 513-424-1201
- Parkway Inn & Conference Center 513-423-9403
- Super 8 513-422-4888

7. SPRINGBORO
- Ramada Ltd. 800-272-6232

8. MONROE
- Days Inn 513-539-9221
- Stony Ridge Travel Center 513-539-9247

8. LEBANON
- Best Western Heritage Inn 800-528-1234
- Cedar City Motel 513-932-1775
- Countryside Inn 513-494-1001
- Downtown Motel 513-932-1966
- Golden Lamb Inn 513-932-5065
- Houston Motel 513-398-7277
- Knight's Inn 513-932-3034
- Shaker Inn 513-736-8881

9. RICHMOND, INDIANA
- Best Western Imperial Motor Lodge 317-966-1505
- Clarion Leland Hotel 317-966-5000
- Comfort Inn 317-935-4766
- Days Inn 317-966-7591
- Dollar Inn 317-966-4900
- Holiday Inn & Holidome 317-966-7511
- Holiday Motel 317-962-5561
- Howard Johnson 800-654-2000
- Knights Inn 317-966-6682
- Lee's Inn 317-966-6559
- Philip W. Smith B & B 317-966-8972
- Ramada Inn 317-962-5551
- Villa Motel 317-962-5202

10. GREENVILLE
- Greenville Inn 513-548-3613
- Stardust Motel 513-548-4154

11. EATON
- EconoLodge 513-456-4183

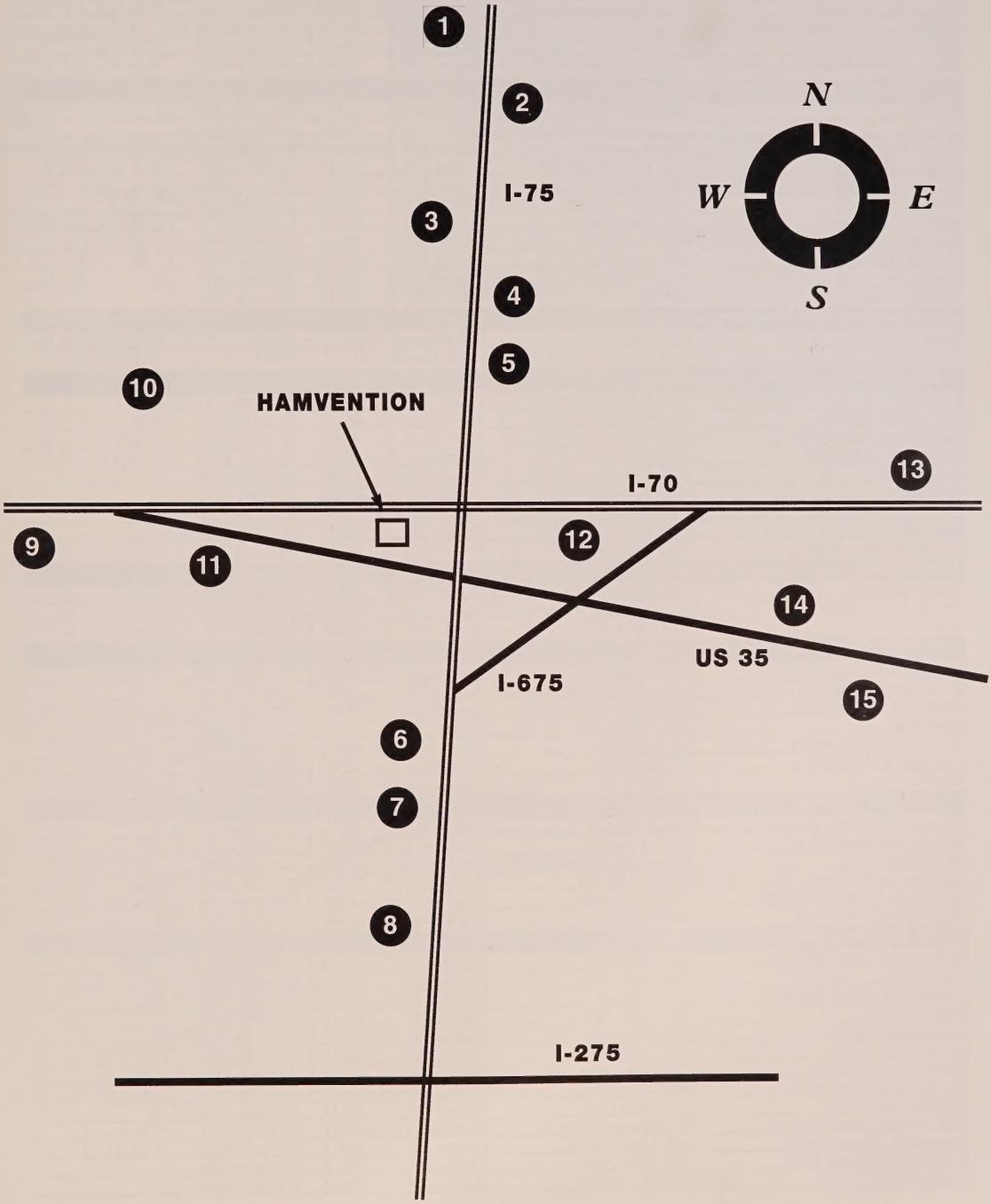
12. FAIRBORN
- Comfort Inn 513-879-7666
- Fairfield Inn by Marriott 513-427-0800
- Hampton Inn 513-429-5505
- Holiday Inn I-675 513-426-7800
- Homewood Suites 513-429-0600
- Ramada Inn 513-879-3920
- Red Roof Fairborn 513-426-6116

13. SPRINGFIELD
- Beatty Motel 513-323-9161
- Crest Motel 513-322-1889
- Days Inn West 513-324-5561
- Drake Motel 513-325-7334
- Fairfax Motel 513-323-4915
- Fairfield Inn 513-323-9554
- Hampshire Inn 513-322-4942
- Harmony Motel 513-324-3339
- Hartland 513-324-5601
- Holiday Inn South Holidome 513-323-8631
- Houstonia House B & B 513-462-7428
- Imperial House 513-324-5501
- Park Terrace 513-325-8721
- Ramada Limited 513-328-0123
- Springfield Inn 513-322-3600
- The Meadows 513-323-0872
- Town House Motor Lodge 513-325-7661

14. ALPHA
- EconoLodge 513-426-5822

15. XENIA
- Allendale Inn 513-376-8124
- Anthony Wayne Motel 513-767-9004
- Best Western/Regency Inn Motel 513-372-9954
- Holiday Inn Xenia 513-372-9921

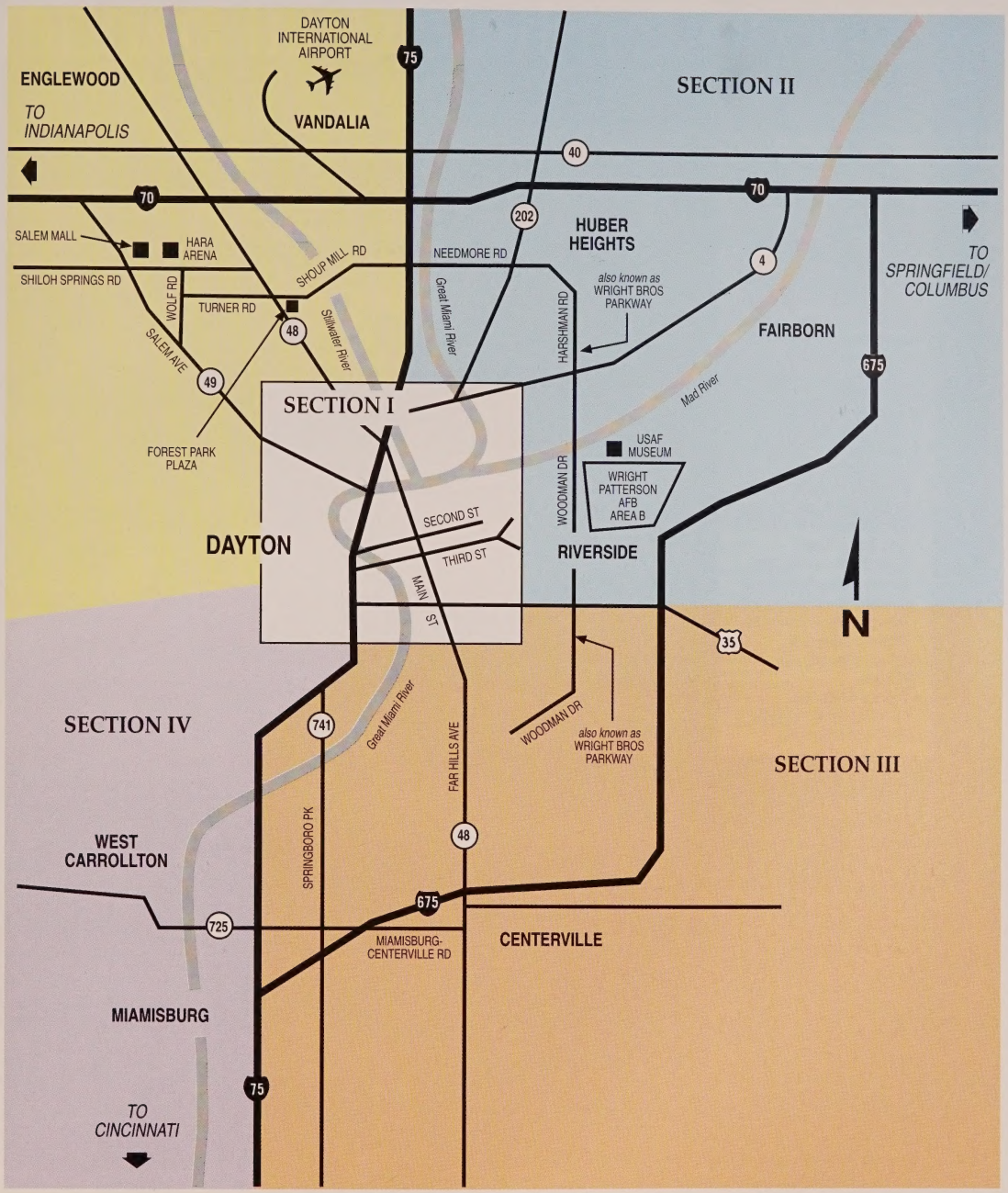
REGIONAL LODGING MAP



DAYTON AREA LODGING

DOWNTOWN (Section "I" on map)					
Days Inn Downtown Dayton	330 W First St	Dayton, OH	45402	(513)223-7131	H M R L A P
Dayton Marriott Hotel	1414 S Patterson Blvd	Dayton, OH	45409	(513)223-1000	H M R L A P W
Price's Steamboat House B&B	6 Josie St	Dayton, OH	45403	(513)223-2444	M R A
Radisson Hotel & Suites	11 S Ludlow St	Dayton, OH	45402	(513)461-4700	H M R L A W
Stouffer Renaissance Dayton Hotel	E Fifth & S Jefferson St	Dayton, OH	45402	(513)224-0800	H M R L A P W
I-75 NORTHEAST (Section "II" on map)					
Best Inn	5551 Springfield St	Dayton, OH	45431	(513)258-2233	H
Days Inn	1891 Harshman Rd	Dayton, OH	45424	(513)236-8083	
Dayton Motor Hotel	1639 Keowee St	Dayton, OH	45404	(513)222-5518	
Holiday Inn North	2301 Wagner Ford Rd	Dayton, OH	45414	(513)278-4871	H M R L P W
Howard Johnson Dayton	7575 Poe Ave	Dayton, OH	45414	(513)454-0550	H M L A
Plaza Motel	1728 Stanley Ave	Dayton, OH	45404	(513)224-1266	
Radisson Inn Dayton	2401 Needmore Rd	Dayton, OH	45414	(513)278-5711	H M R L A W
Residence Inn by Marriott, Day North	7070 Poe Ave	Dayton, OH	45414	(513)898-7764	H M P
Riverside Motel	5441 Springfield St	Dayton, OH	45431	(513)254-9700	M A
Scottish Inn	845 E National Rd	Vandalia,OH	45377	(513)898-5871	H A
Travelers Motel North	2833 N. Dixie	Dayton,OH	45414	(513)277-6585	
I-70 EAST (Section "II" on map)					
Super 8 Motel	8110 Old Troy Pk	Huber Heights, OH		45424	(513)237-1888 H
Travelodge	7911 Brandt Pk	Huber Heights, OH		45424	(513)236-9361
I-75 SOUTHEAST (Section "III" on map)					
Budget Inn	2700 S. Dixie Drive	Dayton, OH	45409	(513)298-1411	
Courtyard by Marriott	100 Prestige Place	Miamisburg, OH	45342	(513)433-3131	H M R L A P W
Double Tree Guest Suites	300 Prestige Place	Miamisburg, OH	45342	(513)436-2400	H M R L P W
Holiday Inn Dayton Mall	31 Prestige Plaza	Miamisburg, OH	45342	(513)434-8030	H M R L P
Motel 6 South	8101 Springboro Pk	Miamisburg, OH	45342	(513)434-8750	H
Parkview Inn	4503 S. Dixie Dr.	Dayton, OH	45439	(513)293-4111	
Red Horse Motel	4625 S Dixie Dr	Dayton, OH	45439	(513)294-7500	
Relax Inn	3333 S Dixie Dr	Dayton, OH	45439	(513)299-3581	H
Residence Inn by Marriott, Day South	155 Prestige Place	Miamisburg, OH	45342	(513)434-7881	H
I-675 SOUTHEAST (Section "III" on map)					
Country Hearth Inn	1944 Miamisburg-Centerville Rd	Dayton, OH	45459	(513)435-1550	H M P
Days Inn Dayton South	3555 Miamisburg-Centerville Rd	Dayton, Ohio	45449	(513)847-8422	H M R L P
Hampton Inn South	8099 Old Yankee St	Dayton, OH	45458	(513)436-3700	H M P W
I-75 SOUTHWEST (Section "IV" on map)					
Best Western Continental Inn	155 Monarch Ln	Miamisburg, OH	45342	(513)866-5500	H M R L
Econo Lodge South	2140 S Edwin C Moses Blvd.	Dayton, OH	45408	(513)223-0166	M L A
Holiday Inn Dayton South	2455 Dryden Rd	Moraine, OH	45439	(513)294-1471	H M R L P W
Ideal Motel	2450 Dryden Rd	Moraine, OH	45439	(513)298-0380	R L
Knights Inn Dayton South	185 Byers Rd	Miamisburg, OH	45342	(513)859-8797	M
Red Roof Inn Miamisburg	222 Byers Rd	Miamisburg, OH	45342	(513)866-0705	
Signature Inn	250 Byers Rd	Miamisburg, OH	45342	(513)865-0077	H M
I-70 WEST (Section "V" on map)					
Cross Country Inn Englewood	9325 N Main St	Dayton, OH	45415	(513)836-8339	H P
Days Inn Dayton/Brookville	100 Parkview Dr	Brookville, OH	45309	(513)833-4003	H
Dayton Airport Inn	Dayton International Airport	Vandalia, OH	45377	(513)898-1000	M R A P
Hampton Inn Northwest	20 Rockridge Rd	Englewood, OH	45322	(513)832-2222	H M A W
Holiday Inn Dayton NW Airport	10 Rockridge Rd	Englewood, OH	45322	(513)832-1234	H M R L A P
Motel 6 Dayton Northwest	1212 S Main St	Englewood, OH	45322	(513)832-3770	H
I-75 NORTHWEST (Section "V" on map)					
Best Western North Plaza Inn	3636 N Dixie Dr	Dayton, OH	45414	(513)276-6151	M R
Comfort Inn	7125 Miller Lane	Dayton, OH	45414	(513)890-9995	H P
Cross Country Inn Vandalia	550 E National Rd	Vandalia, OH	45377	(513)898-7636	H
Days Inn North	7470 Miller Lane	Dayton, OH	45414	(513)898-4946	P
Econo Lodge North	2221 Wagner Ford Rd	Dayton, OH	45414	(513)278-1500	H A
Economy Inn	4101 Keats Rd	Dayton, OH	45414	(513)274-1116	H L
Fairfield Inn by Marriott	6960 Miller Lane	Dayton, OH	45414	(513)898-1120	H M
Knights Inn Dayton North	3663 Maxton Rd	Dayton, OH	45414	(513)898-1212	M
Motel 6 Dayton North	7130 Miller Lane	Dayton, OH	45414	(513)898-3606	H
Park Inn Intn'l Dayton Airport	75 Corporate Center Dr	Vandalia, OH	45377	(513)898-8321	H M R L A
Ramada Inn Dayton North	4079 Little York Rd	Dayton, OH	45414	(513)890-9500	H M R L A
Red Roof Inn Dayton North	7370 Miller Lane	Dayton, OH	45414	(513)898-1054	
35 West Motel	7040 W. Third St	Dayton, OH	45427	(513)835-5965	

AREA LODGING MAP



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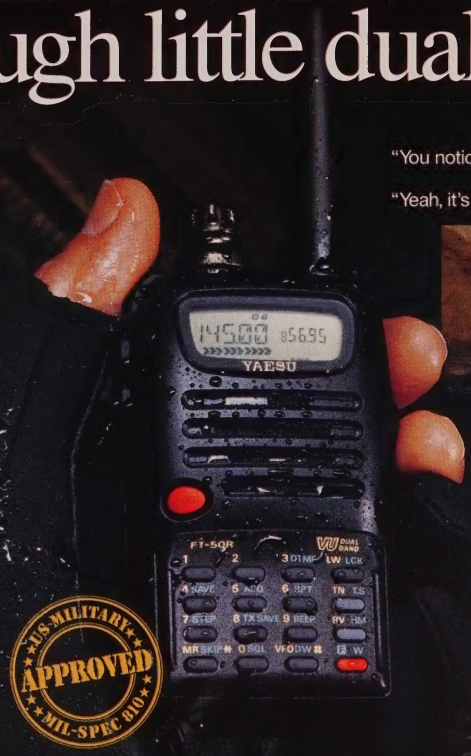
Ultra Compact Dual Band Handheld **FT-50R**

One tough little dual bander!

Features

- Frequency Coverage
  Wide Band Receive
  RX: 76-200 MHz, 300-540 MHz, 590-999 MHz*
  TX: 144-148 MHz, 430-450 MHz
- AM Aircraft Receive
- MIL-STD 810 Rating
- Digital Coded Squelch (DCS)
- 112 Memory Channels
- 12V DC Direct Input
- High Speed Scanning
- Alphanumeric Display
- CTCSS Encode (Decode w/FTT-12)
- Auto Range Transpond System™ (ARTS™)
- Dual Watch
- Direct FM
- High Audio Output
- ADMS-1C Windows™ Programmable
- Four Battery Savers:
  Automatic Power-Off (APO)
  Receive Battery Saver (RBS)
  Selectable Power Output (SPO)
  Transmit Battery Saver (TBS)
- Time Out Timer (TOT)
- 2.5 and 5 Watt Versions Available
- Optional Digital Voice Recording System (DVRS)
- Full line of accessories



"You notice how loud this HT's audio is?"

"Yeah, it's Mil Spec tough like a commercial HT."

"Easy to operate, small, great price!"

"Yaesu did it again!"

For the foremost in top-performing, durable, dual band handhelds there is one choice. The FT-50R. Manufactured to rigid commercial grade standards, the FT-50R is the only amateur dual band HT to achieve a MIL-STD 810 rating. Water-resistant construction uses weather-proof gaskets to seal major internal components against the corrosive action of dust and moisture. And, the rugged FT-50R withstands shock and vibration, so throw it in with your gear!

Dynamic and exclusive features set the FT-50R apart, too. Wide Band Receive includes 76-200 MHz (VHF), 300-540 (UHF), and 590-999 MHz*. Dual Watch checks sub-band activity while receiving on another frequency, then when a signal is detected, shifts operation to that frequency. Digital Battery Voltage displays current operating battery voltage. Digital Coded Squelch (DCS) silently monitors busy channels. Auto Range Transpond System™ (ARTS™) uses DCS to allow two radios to track one another. And, the FT-50R is ADMS-1C Windows™ PC programming compatible, too. To round out the FT-50R, it has four battery savers, and super loud audio—remarkable in an HT this size.

A reliable companion where ever you go, the FT-50R is one tough little dual bander with all the features you want!

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FT-10/40R
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Specifications subject to change without notice. Specifications guaranteed only within amateur bands. Some accessories and/or options are standard in certain areas. Check with your local Yaesu dealer for specific details. *Cellular blocked

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What's the most compact, economical, full featured tri-band mobile? Standard's C5900DA! 6 Meters as well as 2 and 70 cm, with crossband repeat, remote operation with detachable front panel, or wireless remote control from your hand-held's DTMF pad! Plus 1200-9600 baud packet, priority hyper memories for your seven most used frequencies, and up- and down- load frequencies to the optional 200 channel extended memory chip - without a computer! And there's so much more - just review the specifications below...

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STANDARD C5900DA FEATURES

- Tested tough against intermod with Double Balanced Mixer (DBM) and Tracking Front-End
- DTMF remote control with HT
- Cross-band repeat, 6M, 2M and 70cm with CTCSS encode/decode
- Full Duplex cross-band operation with CTCSS encode/decode
- 7 priority hyper frequencies
- 1200-9600 packet interface
- Antenna Triplexer Built-in one antenna for all bands
- Dual-frequency display; left side 6M, 2M and 70cm, right side 2M and 70cm
- Frequency Receive Range:
  Left band 44.000 - 99.995 MHz
  100.000 - 225.000 MHz
  240.000 - 530.000 MHz
  Right band 100.000 - 200.000 MHz
  260.000 - 510.000 MHz
  550.000 - 1020.000 MHz*
  (both including AM aircraft)
- 45 Watts 6M, 50 Watts 2M and 35 Watts 70cm (3W Low, 10W Medium selectable) transmit ham-bands

*cellular blocked on 800 MHz band

OPTIONAL ACCESSORIES

- CAW590 split cable for mic
- CAW591 3M extension cable for LCD display
- CAW592 5M extension cable with connection for mic and speaker
- CAW593 8M extension cable with connection for mic and speaker
- CMB5900 mounting bracket for display
- CMU161 200 channel memory chip

Size: 5.51"W 1.57"H 6.81"D
Weight=2.65 lbs.

MEMORIES

- 80 memories (each side); stores frequency, offsets, CTCSS tones and more
- Expandable 200 memories each side with optional, CMU161
- CTCSS Encode\Decode standard
- Frequency steps, 5, 6.25, 10, 12.5, 15, 20, 25, 30, 50 and 100 kHz.
- Paging\Coded squelch
- DTMF autopatch dialing, 12 memories, 6 per side, 15 digits
- Eight kinds of scan: 1 MHz, entire band, program, memory, block memory, program memory, memory scan memory and tone

DISPLAY

- Snap-on front display or remote the radio in the trunk or under the front seat
- Back-lit Keypad and Display
- MY key, store favorite function
- TX Time-Out-Timer 3, 5, 15 mins
- Auto power-off 3, 6, 9 hrs
- Auto mute opposite band -20dB
- Beep-tone off, low or high
- Cooling fan built-in.

Mobile bracket and power cord (2M) included

MARS and CAP modification available permit required

FCC Approval pending

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SEE US IN BOOTHS 21-23, 46-48. WE ARE A HAMVENTION PRIZE DONOR.

EDCO...Always bringing you the latest products

LOWE HF250

The Lowe HF250 is set to become the new world standard for mid-priced receivers. Building on the worldwide success of Lowe's HF225 and HF150 models, the new HF250 combines Lowe's traditional high standards for performance and quality of construction together with the advanced facilities and control features required by today's discerning listener.

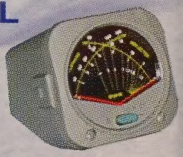
LOWE HF150

Lowe, an outstanding U.K. manufacturer of shortwave receivers, created an easy to operate, compact, receiver, with the features of the "Big Guys." From the longest of Long Wave to the top limits of the Short Wave spectrum, the HF-140 is designed to give you everything you needed in a real radio receiver. There has quite literally never before been a receiver like the HF-150, because only now have technology and engineering been combined in such an effective package. This innovation at its very best.

MONITORING ACARS with the new LOWE "AIRMASTER"

The monitoring of air band communications is a hobby that has become more and more popular over the last 10 years. In common with the rest of the communications field, there are far reaching changes in process in this area to cater to the requirements of air traffic control in the next century. ACARS is a very specialized data mode, and only decoders that have been specially designed for it will function. Until now, the only decoders that will work have been fairly expensive devices, as they use dedicated hardware to handle the decoding.

DAIWA DIGITAL & CROSS NEEDLE METERS



From the originator of the Cross Needle meter, Daiwa offers models to suit every application, band and power level . . . Hi-Tech DP800 series-for computerized, fully automatic digital PEP or average power reading in three models for 1.8 thru 525MHz. • Deluxe NS660 series-with models covering 1.8MHz thru 2.5GHz, all power levels, PEP or average reading with exclusive multiband remote sensor capability. • CN101 series-for PEP and average power reading base station use with models for HF and VHF/UHF. • CN410 series-compact mobile HF and VHF/UHF models (2 power levels) with custom backlit meter for easy & safe night viewing.

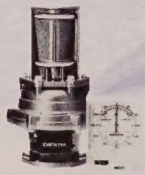
EMOTO

Reliability and High Performance. EMOTO has established a reputation, with Amateur Radio Operators around the world, as the premier manufacturer of reliable rotators. Over 45 years of experience in design and manufacturing stand behind every EMOTO rotator product.

747SRX/ 750FXX

$GD^2$400kgm^2

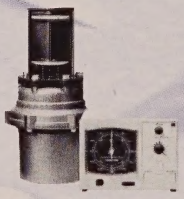
Use with larger Tri-Band beams, high rotating speed (35 sec) and 470° rotation. Compare 747SRX/750FXX to HAM IV. The 750 FXX is computer compatible. Note: 360° controller.



1200FXX

$Gd^2$100kgm^2

Preferred choice of many DX'ers. Control large stacked HF and V/UHF arrays. Solid state controller has inertia control circuit, variable speed, preset and computer compatible. The 1200FXX is known as the T^2X killer.



POWER SUPPLIES

Daiwa's hi-tech, super efficient designs yield higher output capacity in rugged, compact packages. Excellent regulation with less than 2.5mV ripple is typical. Fully protected with both "crowbar" overvoltage and fold-back overcurrent protection circuits. Front panel, fully adjustable voltage is standard on most models. Full switchable metering of voltage and current standard on all adjustable voltage models. Convenient multiple DC outputs, and more!

AOR®

BIRD

DAIWA

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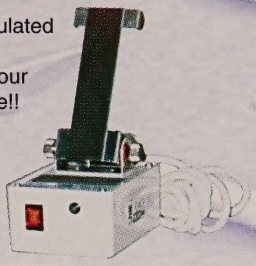
SSE

Adjustable Desk Charger/ Power Supply 12VDC Version

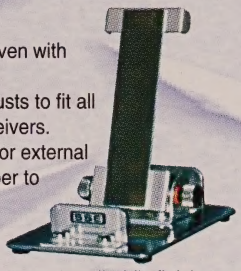
This quality, custom-designed combination desk charger and regulated power supply unit is perfect for convenient 'Base Station' use of your handheld scanner at home or office!!

- Securely holds scanner in proper position
- Charges radio's internal NiCad w/out overcharging
- Powers radio from standard 117VAC house current



Adjustable SSE BHA3 (C)

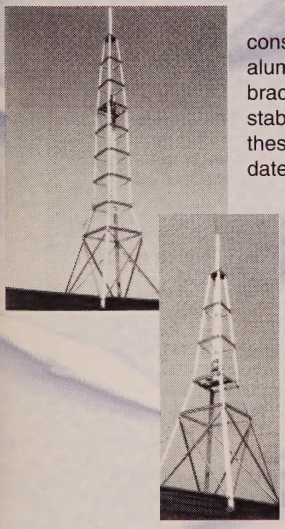
Universal base stand for handheld scanners and transceivers



- Heavy chrome base for extra stability, even with heavy handhelds.
- Adjustable front support stop which adjusts to fit all popular handheld scanners and transceivers.
- Convenient rear panel BNC connector for external antenna attachment - Use a short jumper to your radio and remove stress of large external antenna cable from your handheld's connector.
- Deluxe felt-lined radio tray that won't hurt your handheld's finish.

BHA3 C comes with cable.

CREATE ROOF TOWERS



Create Roof Towers are constructed of high quality aluminum with galvanized steel bracing for additional support and stability. Available in three sizes, these towers will easily accommodate your antenna requirements, and will support VHF antennas, HF tri-banders, and Oscar systems. Rotators mount securely inside the tower on a furnished rotor shelf. While figures listed below are for Create Roof Towers in a properly installed, un-guyed condition, we do recommend guying for safety reasons.

A New Range of Low-Cost Antennas

Scanning Aerials: To improve your reception...

Watson Scanning Aerials have been designed to bring you the very best reception possible. High quality engineering and ergonomic design ensure that Watson Scanning Aerials are the natural replacement for those seeking to extend their receiver's range.

WATSON

All models cover 25MHz-1900MHz and are fitted with BNC connectors.

WiNRADiO

NEW

What is WiNRADiO?

WiNRADiO integrates advanced radio receiver technology and the power of your PC, to create a stunning new concept in communications technology. Plug the WiNRADiO card inside your PC, install the Windows software, and, using the keyboard or a mouse, operate WiNRADiO exactly like a professional communications radio scanner, with controls and displays you would only find on high quality and expensive equipment. If you already are an experience radio user, you already know what we are talking about.

At a retail price comparable to that of a high-end PC sound card WiNRADiO is ready to become a hot, "must have" item for PC users.

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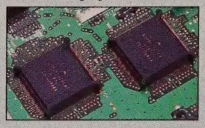
HF TREASURE

Intelligent Digital Enhanced Communications System

FREE Radio Control Program Software Included!

State-Of-The-Art IF-Stage DSP

Once again Kenwood defines the standard with next generation DSP. Utilizing dual digital signal processing chips, the TS-870S captures wave forms at the IF stage (including AGC circuit) in realtime to provide unmatched clarity, noise reduction and control over inbound or outbound signals. The DSP chips deliver a dynamic range of 144dB, enabling you to detect previously unheard signals and customize the filtering system through the menu interface. No other transceiver on the market gives you this much power and flexibility.



Digital Filters

Applying complex algorithms at the IF stage allows you to attain filtering that is unattainable with conventional analog circuits. For instance, you can shape the filter sharp enough to obtain over 100dB out of pass band attenuation with virtually no signal loss. Through the menu-driven interface on the front panel, you can apply standard filters or customize and store them for rapid and convenient access. And because it's all digital, there is no additional cost of optional filters!

Two Noise Reduction Methods

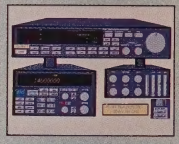
Choose from 2 methods of noise reduction: Line Enhancer Method (LEM) or Speech Processing/ Auto Correlation (SPAC). LEM allows you to custom-shape a filter curve around a target signal, essentially 'carving' it out of the background noise — a powerful tool in SSB operation. For tough CW conditions use the SPAC function, which employs a statistical correlation algorithm to pull weak signals out of the background.

IF Digital Auto-Notch

Another benefit of IF-stage DSP is the ability to detect and eliminate broadcast carrier and continuous beat signals far more effectively than analog systems. It automatically tracks beat signal changes so you can 'set it and forget it'.

57.6 Kbps Computer Control

High speed computer control is available through a built-in RS-232C port and supplied Windows-compatible software called RCP (Radio Control Program). This enables access to most functions of the TS-870S including on/off, frequencies, bands, modes and more. It's also possible to "create" a customized screen radio, based on an original design or the included templates.



Built-In K1 LogiKey Keyer

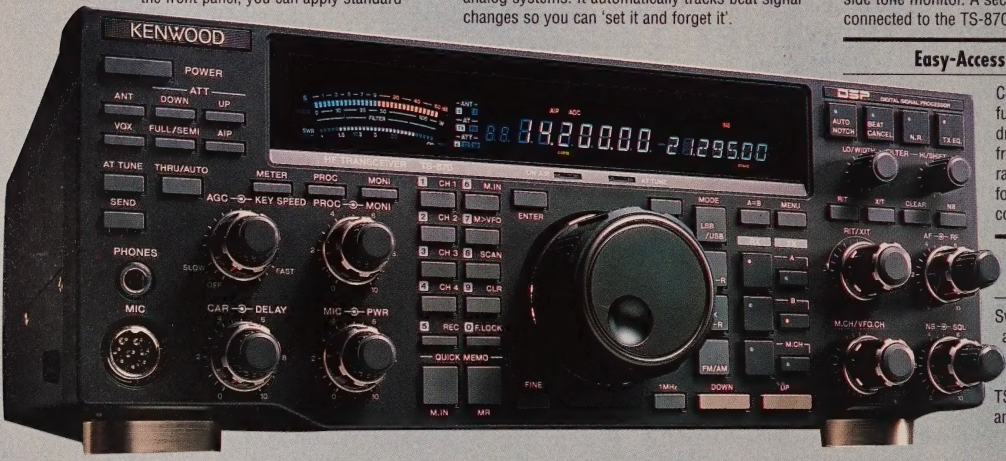
Sophisticated CW operation is possible with the built-in K1 LogiKey electronic keyer with full or semi break-in, DSP-adjustable rise/fall times, and side tone monitor. A second keyer may also be connected to the TS-870S.

Easy-Access Menu System

Control all of the rig's functions through the menu-driven user interface on the front panel. It also incorporates a Quick Menu feature for rapid access to your most commonly used functions.

Dual Antenna and RX Out

Switch between 2 separate antenna systems from the front panel, plus attach an external receiver to the TS-870S for maximum antenna utilization.



Other Features

■ Beat cancel ■ Variable AGC ■ Selectable voice equalizer (SSB & AM) ■ Speech processor ■ Selectable transmit equalizer ■ 100 watts output on SSB, CW, FSK; 25 watts on AM ■ 100 kHz - 30 MHz general coverage receiver ■ Built-in automatic antenna tuner (TX & RX) ■ Dual VFO with 100 channel memories plus 5 channel quick memory ■ Full band scan, programmable band scan, group scan, memory scan with memory channel lock-out ■ Built-in tone encoder ■ High-quality 60-second digital recording unit option (DRU-3) ■ Voice Synthesizer unit option (VS-2) ■ Modifiable for MARS/CAP*

*Permits required for MARS and CAP use. Specifications guaranteed for Amateur bands only. Kenwood follows a policy of continuous advancement in development. For this reason, specifications may be changed without notice.

TS-870S

HF TRANSCEIVER

ISO 9002
Meets ISO Manufacturing Quality System

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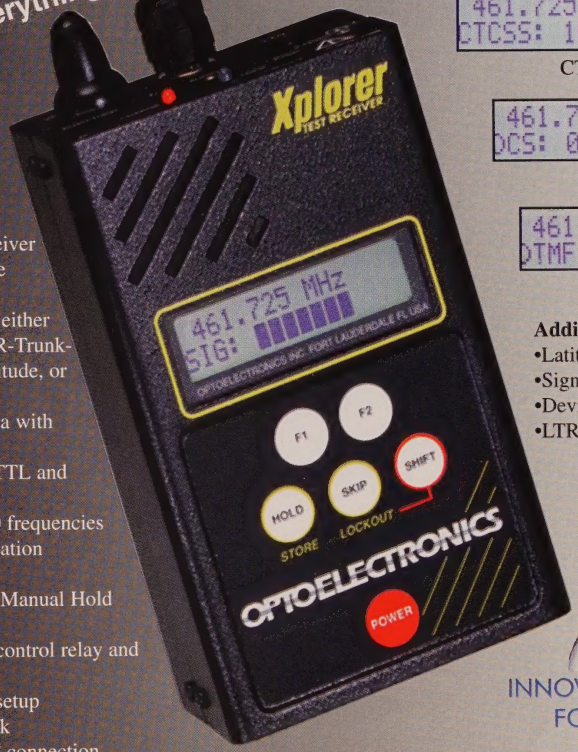
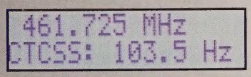
THE ALL NEW Xplorer

HEAR IT, SEE IT, DECODE IT, MAP IT*, RECORD IT...

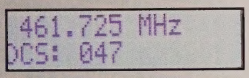
The all new **Xplorer**, everything you ever asked for in a **handheld instrument.**



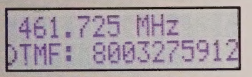
The **Xplorer** offers All Mode Communications Decoding.



CTCSS Mode



DCS Mode



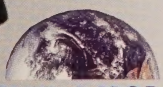
DTMF Mode

Additional Display Modes:
- Latitude/Longitude Mode
- Signal Strength Mode
- Deviation Mode
- LTR-Trunking Mode

FEATURES

- High Speed FM Communications Nearfield Receiver sweeps range of 30MHz to 2GHz in less than one second
- Two line character LCD displays Frequency and either All Mode Decoding (CTCSS, DCS, DTMF), LTR-Trunking, Relative Signal Strength, Latitude and Longitude, or FM Deviation with automatic backlight
- NMEA-0183 GPS Interface provides tagging data with location for mapping applications*
- CI-V compliant Serial Data Interface with both TTL and RS232C levels
- Frequency Recording Memory Register logs 500 frequencies with Time, Date, Latitude, and Longitude information
- Real-Time Clock/Calender with battery back-up
- Frequency Lock Out, Manual Skip, and Auto or Manual Hold capability
- Tape Control Output with Tape Recorder Pause control relay and DTMF Encoder for audio data recording
- Rotary Encoder for easy selection of menus for setup
- Internal Speaker, Audio earphone/headphone jack
- Miniature 8-pin DIN Serial Interface port for PC connection
- Relative ten segment Signal Strength Bargraph Mode
- Numerical Deviation Mode with 1-10kHz and 10-100kHz ranges
- Includes Built-in Rapid Charge NiCad Batteries with 8 hour discharge time and a Universal Power Supply

**Software for mapping applications is planned by third party Software Design Companies. Inquire about the availability and specific Companies to contact.*



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REV It Up On 2 Meters

NEW!

61+1 (Call) Multi-Function Memory Channels

For quick access, essential data – transmit and receive frequencies, frequency step, tone frequency, etc.– can be stored in the 62 memory channels. All channels can store transmit and receive frequencies independently for odd split repeaters.

Memory Name (MN) Function

All 62 channels can be identified alphanumerically (max. 6 characters) instead of by frequency. This is particularly convenient for repeaters and club channels. It is also possible to switch to a channel number display.

DTSS Selective Calling

Built-in DTSS (Dual-Tone Squelch System) allows DTMF access: the squelch is opened only when a specific 3-digit code has been received. Using the wildcard asterisk, group calling is also possible.

High RF Output

The TM-261A (144MHz) and TM-461A (440MHz) put out an impressive 50 watts and 35 watts, respectively. Both models also have mid- and low-power settings.

Multi-Function Microphone with Backlit Keys

The supplied multi-function microphone has backlit keys to facilitate operation in low-light situations.

Built-In CTCSS Tone Encoder and Optional Decoder

The optional decoder enables the setting of different tones for transmit and receive.

Multi-Scan Capability

Choose from several scan modes: full band scan, programmable band scan, call scan, and memory scan with programmable memory channel lockout. There are also 2 scan stop modes: TO(time-operated) and CO (carrier-operated).

Improved Intermodulation Rejection

The TM-261A also exhibits superior adjacent channel noise rejection.

Meets MIL-STD Requirements

Strict MIL-STD environmental standards for vibration (MIL-STD-810C) and physical shock (MIL-STD-810D) are fully complied with.

DTMF Memory Function

Up to ten 15-digit DTMF codes with ID can be stored for auto-dial and telephone autopatch use. Redial is also provided.

Dual Menu System

Two menu modes – A and B – offer full control over such settings as frequency step and the time-out timer, when required.

Other Features

- Built-in CTCSS encoder and optional KQT-8 decoder
- Tone scan
- Repeater reverse switch
- Lock function
- Time-out timer
- Auto repeater offset (TM-261A)
- Busy channel lockout
- Auto power-off
- Wireless cloning function

KENWOOD SINCE 1946 50th ANNIVERSARY

TM-261A

2 METER MOBILE

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ISO 9002 Meets ISO Manufacturing Quality System

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